



Sri Ramakrishna Institute of Technology

(An Autonomous Institution)

(Accredited by NAAC with "A" Grade)

Pachapalayam, Perur Chettipalayam, Coimbatore – 641 010

www.srit.org :: Phone – 0422-2605577



Faculty Profile

Full name with Qualification, Designation and

Department:

Dr. S.Benjamin Franklin, M.E., Ph.D.,

Associate Professor Gr1,

Mechanical Engineering



Date of birth	:	28.05.1969	Gender	:	Male
Nationality	:	Indian	Marital status	:	Married
Address for correspondence	:	Department of Mechanical Engineering, Sri Ramakrishna Institute of Technology, Pachapalayam, Perurchettipalayam Post, Coimbatore-641 010.	Permanent address	:	1/195-13, Senthil Prabhu Nagar, Muthalipalayam, Arasur Post, Coimbatore-641 010
Mobile no	:	9659036154	e-mail (official)	:	Benjaminfranklin.me@srit.org
Landline	:	-	e-mail (personal)	:	sbenjaminfranklin@gmail.com
Date of joining	:	09.06.2008	Post of joining	:	01.11.2021
No of promotions since D.O.J	:	3	Present post	:	Associate Professor Gr1
Present pay scale	:	Rs 38642-	Gross pay	:	Rs 52,303.-
Employer ID	:	TE051	Bank account No. (Salary credited)	:	500101010539037
P.F. No	:	TN/CBE/56764/325	Group Insurance No	:	AG00059675000102
PAN Number	:	AWPPB9949N	Aadhar Number	:	7328 2502 7745

AICTE ID	:	1-473593089	AICTE Institution ID	:	1-7841521
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Educational Qualification

Degree	Specialization	Year of Passing	Name of the College	Name of the University	Class Obtained
UG	Mechanical Engg	2005	Coimbatore Institute of Technology	Anna University	First
PG	Thermal Engg	2008	Government College of Technology, Coimbatore	Anna University	First
Ph.D	Energy Storage	2019		Anna University	

Registration for Ph.D. with area of interest:

Thermal Engineering

Year of Ph.D. Registration: 2011

Year of Ph.D. Completed: 2019

Thesis Title: Experimental studies on heat recovery from diesel engine exhaust in packed pebble bed heat exchanger and thermal energy storage using phase change materials

Supervisor Recognition Number:

Ph.D. Scholar Details

S.No.	Name of the scholar	Registration details	College	Status

Academic Experience

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Ramakrishna Institute of Technology	Associate Professor Gr1	01.11.2021	Till Date	2		
Sri Ramakrishna Institute of Technology, Coimbatore.	Assistant Professor (Selection Grade)	01.06.2019	31.10.2021	2		

Sri Ramakrishna Institute of Technology, Coimbatore.	Assistant Professor (Senior Grade)	01.10.2014	30.05.2019	4		
Sri Ramakrishna Institute of Technology, Coimbatore.	Assistant Professor	01.08.2010	30.09.2014	4		
Sri Ramakrishna Institute of Technology, Coimbatore.	Lecturer	09.06.2008	31.07.2010	2		
Total				14	16	

Industrial Experience

Name of the Organisation	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
V.L.B.Janakiammal College of Engineering and Technology	Lab Assistant	21.08.2000	19.08.2006	5	11	9
S.A.Ivy Pumps Ltd, Coimbatore	Quality Control	01.08.1998	30.09.1999	1	1	29
Shanthi Gears Ltd, Coimbatore.	Production/ Inspection	02.02.1995	07.03.1998	3	1	5
Brakes India Ltd, Chennai.	Production/ Inspection	25.11.1993	14.10.1994	-	10	19
Pallavan Transport Corpn Ltd, Chennai.	Trainee	30.04.1991		1		
Total				10	23	62

Courses Handled

Academic Year	Semester	Course Code	Course Name	Type of Course (T / L)	Pass Percentage
2022-2023	V	20 ME014	20 ME014 Heat and Mass Transfer	T	
	V	20ME018	20ME018 Heat and Mass Transfer Laboratory	L	
	VI	20ME022	20ME022 Finite Element Analysis	T	
	VI	20MEE01	20MEE01 Automotive Fundamentals	T	
	VI	20ME901	20ME901 Design Project	L	
2022-2023	V	UMEC010	Engineering Metrology and Measurements	T	
	VII	UMEE205	Nano Technology	T	
	VIII	UMEC102	Power Plant Engineering	T	
	IV	20ME011	Thermal Engineering Laboratory	L	
2020-2021	V	UMEC010	Engineering Metrology and Measurements	T	
	V	UMEC007	Heat and Mass transfer	T	
	VIII	UMEC102	Power Plant Engineering	T	
	VI	UMEC012	Hydraulics and Pneumatics	T	
2019-2020	VII	ME6701	Power Plant Engineering	T	
	V	UMEC007	Heat and Mass Transfer	T	
	VIII	ME6016	Advanced IC Engines	T	
	VI	UMEC012	Hydraulics and Pneumatics	T	
2018-2019	V	ME6502	Heat and Mass transfer	T	

	V	ME6504	Metrology and Measurements	T	
	VI	ME6603	Finite Element Analysis	T	

Projects Guided

Academic Year	Semester	Project Title	UG / PG
2022-2023	VIII	Experimental investigation of parabolic trough solar heat collector using pebble bed heat exchanger	UG
	VIII	Experimental investigation of performance evaluation of diesel engine using nano particles	UG
	VI	Design and Fabrication of Drone	UG
2021-2022	VIII	Performance of diesel engine using nano particles	UG
	VIII	Performance evaluation of four stroke petrol engine using zinc oxide and cobalt oxide nano additives petrol blend	UG
	VIII	Experimental investigation of parabolic solar collector with shell and tube heat exchanger	UG
2020-2021	VIII	Experimental investigation of performance evaluation of diesel engine using diesel blend nano particles using electrical loading	UG
	VIII	Experimental investigation of performance evaluation of diesel engine using diesel blend nano particles using hydraulic loading.	UG
	VIII	Matresses conditioning system a component smart homes technology using ARDUINO	UG

Publications

Publications	SCI / Scopus / Web of Sciences	Others
Journal		
Conferences		

Journal Publications

SCI / Scopus / Web of Sciences/ Others
1.C.Ramesh.M.Vijayakumar,G.Kumaresan,S.BenjaminFranklin,Enhanced honey badger optimization of performance analysis of evacuated tube heat pipe solar collector integrated with PCM storage unit,Energy & Environment, Online published on August 2023.Sci

- 2.BenjaminFrankliSelvanayagam**,Sarangapani Palani,P.Gopi,R.Siranjeevi,P.Saran Jayahar, Experimental Investigation in Performance Evaluation of nano Additives Diesel Blend using Diesel engine, International Journal OF Vehicle Structures and Systems15(1) 116-121.**Scopus**
- 3.Benjamin Franklin Selvanayagam**,Adarsh A,Gowtham K,Kavin S,Jagan J,A review on nanoparticles blended with diesel to improve combustion characteristics and reduction in emission of diesel engine Materials Today: Proceedings, 66 (2022), 1031 -1037. **Scopus**
- 4.Benjamin Franklin Selvanayagam**,Adarsh A,Gowtham K,Kavin S,Jagan J,A review on nanoparticles blended with diesel to improve combustion characteristics and reduction in emission of diesel engine Materials Today: Proceedings, 66 (2022), 1031 -1037 **Scopus**
- 5.S.Benjamin Franklin** , I.Karthikeyan , K.Ramesh, Finite Element Modeling of Energy Storage Materials Alumina using Heat Recovery in Packed Pebble Bed Heat Exchanger, Materials Today: Proceedings, Online published on 14 October 2020, , Vol 45 (2021)1872-1877.**Scopus indexed.**
- 6.Benjamin Franklin Selvanayagam** , R. Arul Experimental investigation on EGR technique and performance evaluation of diesel engine using diesel blend cotton seed oil as renewable fuel, Materials Today: Proceedings, Online published on 08 April 2020 <https://doi.org/10.1016/j.matpr.2020.02.874> ,Vol 45(2021) 828-835 **Scopus indexed.**
- 7.S Benjamin Franklin**, R.Arul, T K Sakthivel,3D-printing and computational fluid dynamics analysis of single expansion ramp nozzle, IOP Conf. Series: Materials Science and Engineering 932 (2020) 012127 doi:10.1088/1757-899X/932/1/012127 **Scopus indexed.**
- 8.S.Benjamin Franklin**, I.Karthikeyan ,R.Arul, Experimental Investigation and Computational Fluid Dynamics Analysis of Heat transfer through Circular, Square, Hexagonal shaped Fins Using Forced 932 (2020) 012127Convection, International Journal of Advanced Science and Technology, Vol. 29, No. 7, (2020), pp. 13062 – 13074.
- 9.S.Benjamin Franklin**, K.Ramesh, A Novel Method in Investigation of Thermal Energy Storage in Packed Pebble Regenerator by using Design of Experiment,Taga Journal of Graphic Arts and Technology,ISSN:1748-0345,Vol14(2018),pp 804-814. **Anna University Annexure- I.**
- 10.S.Benjamin Franklin**,K.Ramesh,S.Ramesh,M.Thoufeekahamed,B.Rahesh,A.Prakash, Thermal Energy Storage in Packed Pebble Bed Heat Exchanger – A Review, Advances in Natural and Applied Sciences,ISSN:1995-0772,June 6,2017,pp 212-219. **Anna University Annexure- II.**
- 11.V.Muthukumar,R.Santha Kumar, U.Vishnuadhithya,J.Perinba Selvin Raj,P.Sarath Kumar,S.Benjamin Franklin**, Fabrication of Aluminium Surface Composite by Friction Stir Processing –A Review,SSRG International Journal of Mechanical Engineering,ISSN:2348-8360,March 2017,pp15-19.
- 12.S.Benjamin Franklin**, K. Ramesh, Experimental and Computational Fluid Dynamics Analysis of Energy Storage in Packed Bed Direct Contact Heat Exchanger, Asian Journal of Research in Social Sciences and Humanities, ISSN2249-7315,DOI**Number:10.5958/2249-7315.2017.00236.2**Vol.7,No.3,March2017,pp1181-1191.
- 13.S.Benjamin Franklin**,K.Ramesh, Energy Storage in Diesel Engine using Alumina PHE in Waste Heat Recovery System, Asian Journal of Research in Social Sciences and Humanities,ISSN2249-7315, DOI**Number:10.5958/2249- 7315.2017.00215.5**,Vol.7,No.3,March(2017),pp 899-908.
- 15.S.BenjaminFranklin**,K.Ramesh,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, Research,ISSN 0973-4562,V10 Number 50 (2015), pp905-916.
- 15.S.Benjamin Franklin**,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,V10

Conference Paper

1. Benjamin Franklin Selvanayagam, G. Janakiram, A. Kamesh, A Review of Parabolic Collector with Packed Pebble Bed heat Exchanger , (ICAAMME'23) organized Easwari Engineering College,Chennai on 28.04.2023.
2. **S.Benjamin Franklin**,R.Arul,A novel method of sensible heat thermal energy storage using PPBHE waste heat recovery system adopted in IC engines, ICAMR 2.0,(03.12.2021 to 04.12.2021), organized by **Bannari Amman Institute of Technology**,Erode.
3. **S.Benjamin Franklin**,I.Karthikeyan,R.Arul,Matresses conditioning system a component of smart homes technology using arduino, ICAMR 2.0,(03.12.2021 to 04.12.2021), organized by **Bannari Amman Institute of Technology**,Erode.
4. **S.Benjamin Franklin**,A.Adarsh,K.Gowtham,S.Kavin,J.Jagan, A novel method of performance and emission evaluation of diesel engine using nano particle – A review, ICAMR 2.0,(03.12.2021 to 04.12.2021), organized by **Bannari Amman Institute of Technology**,Erode.
5. **S.Benjamin Franklin**,S.Krishnamoorthy,S.Gowtham,N.Balaji, A Novel method of parabolic collector with shell and tube heat exchanger – A review,ICAMR 2.0,(03.12.2021 to 04.12.2021), organized by **Bannari Amman Institute of Technology**,Erode.
6. **S.Benjamin Franklin** , I.Karthikeyan Energy Storage Technologies and Computational Fluid dynamics Analysis of pebble Bed Heat Exchanger,VIT-CES-RES,(7.10.2021 to 8.10.2021) organized by **Vellore Institute of Technology (VIT)**,Chennai.
7. **S.Benjamin Franklin** , R.Arul, K.Ramesh A novel method of sensible heat thermal energy storage using PPBHE waste heat recovery system adopted in IC engines, RADAIS2K21 (12.06.2021) organized by **Dr.NGP Institute of Technology, Coimbatore**.
8. R. Arul, **S.Benjamin Franklin**,Poly lactic acid (PLA) based natural fiber reinforced composites a manufacturing perspective – A review, RADAIS2K21 (12.06.2021) organized by **Dr.NGP Institute of Technology, Coimbatore**.
9. **S.Benjamin Franklin**, I.Karthikeyan Experimental Investigation and Performance Evaluation on the R-134-a Refrigerants using Vapour Compression System in Various Expansion Devices,NCAEMM-20 (31.07.2020) organized by **Sri Ramakrishna Institute of Technology. Coimbatore**.
10. **S.Benjamin Franklin** , R. Arul,I.Karthikeyan, Finite Element Modeling of Alumina Packed Pebble bed Heat Exchanger,IVCRASET-2020 (03.07.2020 to 04.07.2020) organized by **M.Kumarasamy College of Engineering**.
11. R. Arul, **S.Benjamin Franklin**, Experimental Investigation of Mechanical Properties on Surface modified on jute fibre reinforced epoxy resin IVCRASET-2020(03.07.2020 to 04.07.2020) organized by **M.Kumarasamy College of Engineering**.
12. **S.Benjamin Franklin**,R.Arul Experimental and Finite Element Analysis of Energy Storage from Diesel Engine Exhaust using Alumina Packed Pebble bed Heat Exchanger,ICMMS-2020,(19.06.2020 to 20.06.2020) organized by **Kalasalingm Academy of Research and Education. Sriviliputhur**.
13. **S.Benjamin Franklin** , M.Divine Selva Raja,M.Bharath,V.Diviyan,A.Pavithran, Heat Exchanger for solar still with PCM -A Review- RDAME-20 (11.03.2020), organized by **Easwari Engineering College, Chennai**,

14. **S.Benjamin Franklin** , A.Akash,N.Deepanraj,C.Livingston, R.Praveen Kumar,Solar Thermal Storage – A Reiew –RDAME-20(11.03.2020), organized by **Easwari Engineering College,Chennai**.
15. **S.Benjamin Franklin** , R. Arul, Experimental Investigation on EGR Technique and performance Evaluation of Diesel Engine using Diesel blend cotton seed oil as renewable fuel. ICAMR-2019, (06.12.2019 to 07.12.2019), organized by **Bannari Amman Institute of Technology,Erode**.
16. **S.Benjamin Franklin** , R. Arul, Experimental and Computational Fluid Dynamics Analysis of Heat Transfer through Fins in Forced convection-.IMEC-2019, (29.11.2019 to 01.12.2019), organized by **National Institute of Technology,Trichy**.
17. **S.Benjamin Franklin** , R. Arul, Experimental Investigation and Analysis on Forced Convection Heat Transfer in Various shaped Fins.RIWASE-2019 (26.07.2019 to 27.07.2019) organized by **Government College of Engineering,Burgur**.
18. **S.Benjamin Franklin**,S.Manikandan,T.Manoj,Experimental Investigation and Analysis on Forced Convection Heat Transfer in various shaped Fins-IAMAT-2019 (25.3.2019) , organized by **Sri Ramakrishna Institute of Technology,Coimbatore**.
19. **S.Benjamin Franklin**,M.Gohul,P.Leander Pious ,N.Gopalakrishnan, B.Ebinraj, Experimental Investigation of Performance and Emission characteristics of Biodiesel in Diesel Engine-IAMAT-2019 (25.3.2019) , organized by **Sri Ramakrishna Institute of Technology, Coimbatore**.
20. **S.Benjamin Franklin**,A.Akash.Portable Solar Water Desalinators -RIEMAS-2019 (14.3.2019) , organized by **Sri Ramakrishna Institute of Technology,Coimbatore**.
21. **S.Benjamin Franklin**, C.J.Cashin Green Martin, R.Dineshkumar, K.Arun Kumar,D.Dileesh Kumar,Design and Analysis of Stream jet nozzle, ICAET-2018, (8.3.18 to 9.03.2018) organized by **Karpagam Academy of Higher Education, Coimbatore**.
22. **S.Benjamin Franklin**,S.Pradeep,T.Sanjay Nivas,T.Mohan Kumar,B.Rajkumar, Design ,Fabrication and Structural Analysis of an All - terrain Vehicle frame,ICAET-2018 (8.3.18 to 09.03.2018) organized by **Karpagam Academy of Higher Education, Coimbatore**.
23. **S.Benjamin Franklin**, R.Arun Karthick,P.Arun,S.Francis Paul Raj, M.Ibrahim John Basha,Experimental Investigation of Heat Exchanger For Pasteurization using solar collector, RAMDTE- 2017, (28.04.2017) organized by **Sri Ramakrishna Institute of Technology, Coimbatore**.
24. **S.Benjamin Franklin**,E.Baranithar,S.Karthic,G.R.Gandhi, Investigation of Thermal Energy Storage in Alumina Packed Pebble Bed,ICMSC-2017(1.04.2017 to 02.04.2017), organized by **Karpagam College of Engineering, Coimbatore**.
25. V.Muthukumar,R.Santha Kumar,U.Vishnuadhithya,J.Perinba Selvin Raj,P.Sarath Kumar,**S.Benjamin Franklin**, Fabrication of Aluminium Surface Composite by Friction Stir Processing - A Review, ICEJ-2017,(24.03.2017) organized by **Adhitya Institute of Technology, Coimbatore**.
26. **S.Benjamin Franklin**,K.Ramesh. S.Ramesh Thermal Energy Storage in Packed Pebble Bed Heat Exchanger –A Review ,ICAMMM-2017.(6.3.2017 to 8.3.2017) CJ PALLAZIO, organized by **Government College of Engineering, Salem**.
27. **S.Benjamin Franklin**,K.Ramesh.S.Ramesh,Investigations of Packed Pebble Bed Heat Exchanger by using a Design of Experiment, ICRAEMK'17(2.3.2017 to 3.3.2017) organized by **Government College of Engineering, Salem**.
28. **S.Benjamin Franklin**,Experimental Investigation and on Heat recovery from Diesel Engine Exhaust using Pebble Bed Heat Exchanger and Thermal Storage system -IAMAT-2015,

(27.3.2015) , organized by **Sri Ramakrishna Institute of Technology, Coimbatore.**

29. S.Benjamin Franklin,Heat Transfer Studies in Pebble Bed Heat Exchanger -ICAMME-14, (26.12.2014 to 28.12.2014) , organized by **Sri Krishna College of Engineering and Technology,Coimbatore.**

30. S.Benjamin Franklin,K.Ramesh, Energy Storage Studies in Pebble Bed Heat Exchanger - ICEE-2014, (15.12.2014 to 17.12.2014), organized by **Jawaharlal Nehru Technological University,Hyderabad.**

31. B.Amrith, Arun Asokan, S.Dinesh, V.Dony John , S.Benjamin Franklin, Design,Fabrication and Analysis of Pebble Bed Heat Exchanger,National Conference on Advances in Mechanical Engineering , (26.03.2014) ,organized by **Coimbatore Institute of Engineering and Technology, Coimbatore.**

32. S.Benjamin Franklin, Experimental Investigations of cotton seed oil on single cylinder four stroke diesel engine -IAMAT-2013, (27.3.2013) , organized by **Sri Ramakrishna Institute of Technology, Coimbatore.**

33. S.Benjamin Franklin,Experimental Investigations on the performance evaluation of diesel engine using diesel blend cotton seed oil as renewable fuel with EGR -ICGMSM-2011, (01.08.2011 to 03.08.2011) , organized by **Coimbatore Institute of Technology, Coimbatore.**

Books / Book Chapters

1.Dr.Venkateswarlu Alapati,B.Ramaesh, **Dr.S.Benjamin Franklin** ,Additive Manufacturing ,COSMOS Scientific publications on November 2023.

Laboratory Manual/Conference Proceedings Published

- 1. S.Benjamin Franklin**,R.Arul,Proceedings of First National Virtual Conference on Advanced Thermal,Manufacturing Engineering and Mathematical Modeling 2020 (NCAEMM-20),Notion Press Publishing,ISBN:978-1-63714-288-2.
- 2. S.Benjamin Franklin**,R.Arul,I.Karthikeyan,Metrology and Measurements Laboratory Notion Press Publishing ,ISBN:978-1-63745-049-9.
- R.Tamilselvan,**S.Benjamin Franklin**,Thermal Engineering II,Notion Press Publishing,ISBN 9781645462002.
- 4. S.Benjamin Franklin**,R.Tamilselvan,Thermal Engineering I, SSRN Press Publishing

Sponsored Research

Project Title	Funding Agency	Amount Rs.	Duration

Consultancy

S. No.	Organization/ Agency	Nature of Work	Amount in Rs.	Year

Workshop attended

1.	Participated in workshop on E awareness organized by NPTEL during 11.01.2021.			
2.	Participated in workshop on Fuzzy logic and neural network approaches for engineering solutions organized by Journal of Advanced Engineering Research & Powered by hexacube India from 01.05.2020 to 02.05.2020.			
3.	Participated in one day workshop on Recent Trends and Evolution of Vehicle Technology organized by Sri Ramakrishna Institute of Technology, Coimbatore. during uring 27.02.2020			
4.	Participated in one day workshop on Innovations in Renewable Energy and Clean Energy Production for Resilient Future organized by Dr.N.G.P.Institute of Technology, Coimbatore during 18.07.2019.			
5.	Participated in one day workshop on Evolution & Future of Hybrid vehicles organized by Sri Ramakrishna Institute of Technology, Coimbatore during 25.09.2018			
6.	Participated in one day workshop on Automotive Transmission Systems organized by Sri Ramakrishna Institute of Technology, Coimbatore during 25.03.2017.			
7.	Participated in one day workshop on Modern Trends in Automobile Technologies organized by Sri Ramakrishna Institute of Technology, Coimbatore during 23.02.2017.			
8.	Participated in two days workshop on IC Engines Overhauling organized by Top Engineers Upgrading Engineering Version in Association with IIT Hyderabad during 2017.			
9.	Participated in one day workshop on Industrial Automation organized by Sri Ramakrishna Institute of Technology, Coimbatore during 14.11.2016.			
10.	Participated in two days workshop on Design of Experiments (DOE) for Researchers organized by Kongu Engineering College, Erode from 13.02.2015 to 14.02.2015.			
11.	Participated in Two weeks ISTE Workshop on Control systems conducted by Indian Institute of Technology, Kharagpur from 02.12.2014 to 12.02.2014.			
12.	Participated in two days workshop on How to Write Effective Research Papers for Conferences and Journals organized by Kongu Engineering College Erode from 25.09.2014 to 26.09.2014.			
13.	Participated in one day workshop on Modern Trends in Optimization Techniques organized by Sri Ramakrishna Institute of Technology, Coimbatore during 05.09.2014.			
14.	Participated in Two weeks ISTE Workshop on Fluid Mechanics conducted by Indian Institute of Technology, Kharagpur from 20.05.2014 to 30.05.2014.			
15.	Participated in Two weeks ISTE Workshop on Engineering Mechanics conducted by Indian Institute of Technology, Bombay from 26.11.2013 to 06.12.2013.			
16.	Participated in one day workshop on Entrepreneurship organized by Sri Ramakrishna Institute of Technology, Coimbatore during 18.10.2013.			
17.	Participated in two days workshop on Graphic System design Using LABVIEW organized by Sri Ramakrishna Institute of Technology, Coimbatore from 19.02.2013 TO 20.02.2013.			
18.	Participated in Two weeks ISTE Workshop on Engineering Thermodynamics conducted by Indian Institute of Technology, Bombay from 11.12.2012 to 21.12.2012.			

19.	Participated in two days workshop on Two- day ISTE Workshop on Akash for Education conducted by Indian Institute of Technology, Bombay from 10.11.2012 to 11.11.2012.
20.	Participated in two Two weeks ISTE Workshop on Computational Fluid Dynamics conducted by Indian Institute of Technology, Bombay and organized by at PSG College of Technology, Coimbatore from 12.06.2012 to 22.06.2012.
21.	Participated in Non-Conventional Energy Sources organized by Sri Ramakrishna Institute of Technology, Coimbatore during 01.03.2012.
22.	Participated in two days workshop on Need based approach for effective teaching organized by Sri Ramakrishna Institute of Technology, Coimbatore during 21.06.2011.
23.	Participated in two days workshop on Research Methodologies organized by Kumaraguru College of Technology, Coimbatore from 15.04.2011 to 16.04.2011
24.	Participated in two days workshop on High Impact Teaching Skills conducted by Dale Carnegie Training mission 10X and Wipro from 08.06.2009 to 09.06.2009
25.	Participated in one day workshop on Technical Communication organized by SSK College of Engineering & Technology from 13.06.2009.

Seminar attended

1.	Participated in two days seminars on Challenges and Research Opportunity for Electric Mobility in India organized by KPR Institute of Engineering and Technology, Coimbatore from 26.09.2019 to 27.09.2019.
2.	Participated in one day seminar on Recent Trends in Foundry Technology organized by Sri Ramakrishna Institute of Technology, Coimbatore during 17.09.2019.
3.	Participated in one day seminar on Modeling and Control of High Efficiency Electric Vehicles, organized by Sri Ramakrishna Institute of Technology, Coimbatore during 22.08.2019
4.	Participated in two days seminar on Recent research on nanoparticles used in the fabrication of super capacity energy storage system organized by Sri Ramakrishna Institute of Technology, Coimbatore. from 15.07.2019 to 16.07.2019.
5.	Participated in one day seminar on Transforming Virtual Ideas into Realistic 3D Model: Rapid Prototyping organized by Sri Ramakrishna Institute of Technology, Coimbatore during 06.10.2017,
6.	Participated in one day seminar on Design & Simulation of Heat exchanger organized by PSG College of Technology, Coimbatore during 04.12.2015.
7.	Participated in one day seminar on Open Foam CFD organized by PSG College of Technology, Coimbatore during 22.02.2014.
8.	Participated in two days seminar on Advanced Modelling Techniques for Heat Transfer Equipments and its Applications organized by KPR Institute of Engineering and Technology of Technology, Coimbatore from 01.02.2013 to 02.02.2013.

1. Participated in One Week ATAL FDP on “Online Teaching Practices” organized by Department of Computer Science and Engineering, National Institute of Technology, Trichy – (Pincode) from 12.02.2022 to 16.02.2022.

Faculty Development Program attended

1.	Participated in One Week FDP on Manufacturing Applications of Micromachining with
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	Emphasis on Make in India organized by R.M.K.College of Engineering and Technology, Tiruvallur from 16.11.2020 to 21.11.2020.
2.	Participated in Three Days FDP on Research Areas in Energy Audit and Conservation organized by Vellore Institute of Technology, Chennai from 24.08.2020 to 26.08.2020.
3.	Participated in Four Days FDP on Solar Energy Applications organized by Hindusthan College of Engineering and Technology, Coimbatore from 14.07.2020 to 17.07.2020.
4.	Participated in One Week FDP on Advanced Materials and Manufacturing organized by Kakatiya Institute of Technology & Science, Warangal, Telangana from 29.06.2020 to 03.07.2020.
5.	Participated in One Week FDP on Recent Advances in Mechanical Engineering organized by Shri G.S. Institute of Technology and Science, Indore, M P from 08.06.2020 to 13.06.2020.
6.	Participated in Three days FDP on Fluid & Structural Simulation using CRADLE organized by Lakireddy Bali Reddy College of Engineering, Andhra Pradesh from 08.06.2020 to 10.06.2020.
7.	Participated in One Week FDP on Emerging Research Areas in Engineering organized by SRM Institute of Science and Technology, Chennai from 05.06.2020 to 09.06.2020.
8.	Participated in One Week FDP on Advances in Phase change material based Thermal and Renewable Energy Techniques organized by Lakireddy Bali Reddy College of Engineering, Andhra Pradesh from 01.06.2020 to 05.06.2020.
9.	Participated in Three Days FDP on Emerging Technology Robotics Process Automation organized by Jeppiaar Institute of Technology, Chennai from 04.05.2020 to 06.05.2020.
10.	Participated in One Day FDP on Learning Through Gamification organized by PSNA College of Engineering and Technology, Dindigul during 30.04.2020.
11.	Participated in Two Weeks FDP on Modeling and Control of High Efficiency Electric and Hybrid Vehicles and The future vehicle fleet in 2019, organized by Easwari Engineering College, Chennai from 10.06.2019 to 23.06.2019.
12.	Participated in Four Days FDP on Random Processes & Queueing Theory, organized by Sri Ramakrishna Institute of Technology, Coimbatore 19.12.2016 to 22.12.2016.
13.	Participated in Two Days FDP on Introduction to MATLAB and its application in Engineering, organized by Sri Ramakrishna Institute of Technology, Coimbatore from 15.11.2016 to 16.11.2016.
14.	Participated in Two Days FDP on SAE INDIA southern section Faculty Advisor Forum, organized by VELTECH University, Chennai from 13.10.2016 to 14.10.2016.
15.	Participated in One Day FDP on Simulation with Ansys, organized by CADD Centre & Ansys during 29.07.2016.
16.	Participated in One Day FDP on Recent design concepts of heat transfer equipments in refineries, fertilizers and allied industries organized by Coimbatore Institute of Technology, Coimbatore from 17.08.2013
17.	Participated in Two Weeks FDP on Entrepreneurship, organized by PSG College of Technology, Coimbatore from 13.05.2013 to 24.05.2013.
ATAL Faculty Development Program attended	
18.	Participated in Two Weeks ATAL FDP on Research Perspective: Renewable Energy in Electric Vehicle Charging, organized by Sri Ramakrishna Institute of Technology, Coimbatore from 22.11.2021 to 26.11.2021

19.	Participated in Two Weeks ATAL FDP on Block Chain organized by Karpagam College of Engineering, Coimbatore from 07.12.2020 to 11.12.2020
20.	Participated in Two Weeks ATAL FDP on 3 D Printing & Design organized by K.L.N.College of Engineering from 30.11.2020 to 04.12.2020
NPTEL-AICTE Faculty Development Program attended	
21.	Biomedical Nano Technology (0.5 Week) Aug – Oct 2023
22.	Biomechanics of Joints and Orthopaedic Implants (1 Week) Aug – Oct 2021
23.	Inspection and Quality Control in Manufacturing (0.5 Week) Feb-March 2020
24.	Fundamental of Welding Science and Technology (1 Week) Jan-March 2020
25.	Engineering Metrology (1.5 Week) July to Oct 2019
26.	Energy Conservation and Waste Heat Recovery (1.5 week) July to Oct 2018

Short-Term Training Programme attended -Indian Institute of Technology Madras

1.	Participated in short term training programme on Advanced Energy Technologies organized by Indian Institute of Technology, Madras from 20.02.2012 to 24.02.2012.
2.	Participated in short term training programme on Mechatronics: Integrated Technologies for Intelligent Machines organized by Indian Institute of Technology, Madras from 18.01.2011 to 23.01.2011.

Events Organized

1.	Organized the Department of Mechanical Engineering Azpomerz inaugural on 10.10.2023.
2.	Organized the seminar Renewable Energy on 26.10.2023
3.	Organized the workshop on effective writing of Technical papers/Project work on 02.11.2023.
4.	Organized the Department of Mechanical Engineering Azpomerz-Ignite on 07.11.2023.

Online Courses Completed

Sl. No.	Title	Platform
1	Biomedical Nanotechnology, August-October 2023	NPTEL
2	Biomechanics of Joints and Orthopaedic Implants, August - October 2021	NPTEL
3	Inspection and Quality Control in Manufacturing, February – March 2020	NPTEL
4	Fundamental of Welding Science and Technology, January-March 2020	NPTEL
5	Engineering Metrology, July-October 2019	NPTEL
6	Energy Conservation and Waste Heat Recovery , July-October 2018	NPTEL
7	Waste to Energy Conversion , February-March 2018	NPTEL
8	Grammar and Punctuation	Coursera
9	Camera, Exposure and Photography	Coursera
10	Material Processing	Coursera
11	Moralities of Everyday Life	Coursera
12	Six Sigma Principles	Coursera

13	Essay Writing	Coursera
14	Material Science to things Every Engineers to Know	Coursera
15	Wind Energy	Coursera
16	Leadership	Coursera
17	Material Behaviour	Coursera
18	Materials in Oral Health	Coursera
19	Beam Bending	Coursera
29	Introduction to Engineering Mechanics	Coursera
21	Thin walled pressure vessels and Torsion	Coursera
22	Camera control	Coursera

Self-appraisal

Major Strengths

Major Weakness

Signature