

Sri Sai Ram Engineering College
Department of Production Engineering



Name : S.ARUNPRASAD

Designation : Associate Professor

Qualification : M.E., Ph.D (Pursuing)

Area of Specialization : Manufacturing Engineering

Experience : Teaching : UG : 19 yrs 2 months
Industry : 1 year 8 months

**No. of workshop / Conferences / FDP
attended : Workshop : 15**
Conferences: 01
FDP: 20

**No. of workshop / Conferences / FDP/
Symposium organised : 06**

Funded Projects : -

Publication : Journal

National : 1
International : 8

Conference

National : 3
International : 8

Research Guidance : -

General :

1. Life member in ISTE

Staff Achievements:

1. Anna University (GCT, Coimbatore) Rank holder in M.E
2. Published book titled 'Computer Integrated Manufacturing' for Anna University syllabus.
3. Mentor and Winner in Smart India Hackathon 2019 (Pune) event organized by MHRD,
July 8-12, 2019

Experience :(Details)

S.No	Institution	Designation	Experience	
			Years	Months
1.	Sri Sai Ram Engineering College	Associate Professor	14	1
2.	PGP COLLEGE OF ENGINEERING & TECH.	Lecturer	5	1
		Total	19	2

S.No	Industry	Designation	Experience	
			Years	Months
1.	Tamil Nadu State Transport Corporation	Apprenticeship	1	-
2.	Ommi Forge Pvt. Ltd.,	Supervisor	-	8
		Total	1	8

Workshop/ FDP attended: (List)

S.No	Program Details	Program Venue	Date
1	AICTE sponsored 6 days STTP on Electronic Vehicles-An opportunity for India	RMK college of Engineering and Technology, Chennai	13.07.20 to 18.07.20
2	Six days Faculty Development Programme on "RECENT INNOVATIONS AND FUTURISTIC SCOPE FOR RESEARCH IN INTERNAL COMBUSTION ENGINES"	St. Joseph's College of Engineering, Chennai	29.06.20 to 04.07.20
3	One week online FDP on Recent Trends in Mechanical Engineering	Narsimha Reddy Engineering College, Telungana	22.06.20 to 26.06.20

4	Two weeks online FDP on Advancements in Biotechnology and Chemical Engineering	Vel Tech High Tech, Chennai	08.06.20 to 19.06.20
5	AICTE Training And Learning (ATAL) Academy Online FDP on "Artificial Intelligence".	FEDERATION OF INDIAN CHAMBERS OF COMMERCE AND INDUSTRY (FICCI).	15-06-2020 to 19-06-2020
6	One Week Online Faculty Development Programme on " <i>Applications of Finite Element Analysis (FEA) and Computational Dynamics (CFD) using ANSYS</i> " Sponsored by Technical Education Quality Improved Programme (TEQIP-III)	Government College of Engineering, Karad & Rajikiya Engineering College, Azamgarh	June 13- 17, 2020
7	One week online Faculty Development Program on "APPLICATION OF CAD TOOLS IN DRAWING COURSES"	Department of Mechanical Engineering, Geethanjali College Of Engineering & Technology (Autonomous) Cheeryal (V), Keesara (M), R.R. Dist. 501301	09-06-2020 to 13-06-2020.
8	Five day Online Faculty Development Program on "Mechanical Behaviour of Advanced Materials and Its Scope for Engineering Applications.	Department of Mechanical Engineering, Sri Venkateswara College of Engineering, Pennalur , Sriperumbudur Tk, 602117	10th to 14th June, 2020.
9	5 days International Faculty Development Program on Emerging Research Areas in Engineering "	Department of Mechanical Engineering in Association with The Institution of Engineers (India), SRM Institute of Science and Technology, Ramapuram Campus, Chennai-600089, from	5th June to 9th June 2020
10	Online Webinar on "TECHNOLOGY BEHIND BS-VI "	ZOOM PLATFORM	May 30, 2020
11	Five days Online Faculty Development Program on "Advanced Energy Conversion Technologies"	Thermal Division, Department of Mechanical Engineering, SRM Institute of Science and Technology, Kattankulathur campus, Chennai	27th – 31st May, 2020.

12	Online Webinar on "INDUSTRY 4.0"	ZOOM PLATFORM	May 20, 2020
13	Five days Faculty Development Programme (Online Mode) on "Introduction to Finite Element Analysis.	Department of Mechanical Engineering, Panimalar Institute of Technology, Varadharajapuram, Poonamallee, Chennai – 600 123.	11.5.2020 to 15.5.2020.
14	Three days workshop on "Recent Trends in Fluid Power Control System & it's Industrial Applications"	Sri Sai Ram Engineering College, Chennai	February 4-6, 2020
15	Guest Lecture on "Engine Management System"	Sri Sai Ram Engineering College, Chennai	January 22, 2020
16	AICTE sponsored 15 days FDP on Opinion Mining: An insight in to social media for customer services	SIMS, Sri Sai Ram Engineering College, Chennai	05.12.2019-20.12.2019
17	ISTE sponsored Six Days FDP on Robotics	Department of Mechanical Engineering, Sri Sai Ram Engineering College, Chennai	13 th May-18 th May 2019
18	FDP on Outcome Based Education	IQAC ,Sri Sairam Engineering College	5 th and 6 th April 2019
19	Two Day Workshop on "Finite Element Analysis and its Industrial Applications"	Department of Production Engineering, Sri Sai Ram Engineering College, Chennai	6th & 7th August, 2018
20	Faculty Development Training Programme on "AUTOMOBILE ENGINEERING"	Department of Mechanical Engineering, Sri Sai Ram Engineering College, Chennai	29 th November to 5 th December 2017
21	Faculty Development Programme on GLIMPSES OF ENGINEERING METALLURGY	C.K College of Engineering and Technology, Cuddalore	17 th December, 2016.
22	Two day National level workshop on "DESIGN OF EXPERIMENTS"	Sri Sai Ram Institute of Technology, Chennai	24 & 25 th July, 2015
23	One day workshop on "Role of Lean Manufacturing on Organization Competitiveness"	Sri Sai Ram Engineering College, Chennai	August 28, 2014

24	Industrial – Institution Event on “ENVIRONMENTAL MANAGEMENT IN INDIAN SECTORS - STATUS AND NEEDS”	Sri Sai Ram Engineering College, Chennai	24 – 25 th July, 2014
25	AICTE SPONSORED FDP on “Advancements In Materials, Manufacturing Processes And Management Systems”	Sri Sai Ram Engineering College, Chennai	4 – 16 th November, 2013
26	Faculty Development Program on “Advanced I.C Engines”	Anna University, Chennai	10-17 th December , 2012
27	National Level Seminar on “Trends, Elements And Applications Of Mechatronics”	G.K.M College of Engineering and Technology	April 21 st , 2012
28	One day Workshop “Art of Journal and Thesis Writing”	Sri Sai Ram Engineering College, Chennai	19 th January, 2012
29	Two days National Level Workshop on “Smart Sensors For Industrial Applications”	Sri Sai Ram Engineering College, Chennai	1 st & 2 nd December 2011
30	SDP ON “Recent Developments in Manufacturing & Management”	Mechanical Engineering, SEC, Chennai	July 25-30, 2011
31	National Level Workshop on “Virtual Instrumentation In Industrial Automation”	Sri Sai Ram Engineering College, Chennai with TRIDENT TECHLABS.	June 24-25, 2011
32	UNDERGONE TRAINING ON “CNC LATHE TRAINING”	Lakshmi machine works, Coimbatore.	December 6-10, 2010
33	FDP-Hydraulic systems and its Recent Trends	Sri Sai Ram Polytechnic College, Chennai	13.07.09 - 26.07.09
34	AICTE Sponsored Staff Development Programme on Instructional Design & Delivery	Sri Sai Ram Engineering College, Chennai.	
35	Pneumatic Training Program	Janatics India Private Ltd, Coimbatore	18.12.2006-20.12.06
36	International Conference on e-learning	P.G.P.College of Engg and Tech, Namakkal	March 6 & 7, 2004

Workshop/Conferences/FDP/ Symposium organized: (List)

1. Organized FDP On Mechatronics Engineering sponsored by Anna university
Chennai (11.06.2007-23.06.2007) at SSEC, Chennai

2. Organized 1st National level Technical symposium “SAIPRODUXIO” presents **PROBEO** on **March 2, 2012** under the Banner of **Society of Production Engineers**.
3. Organized one day workshop on “**Industrial Applications of Jigs, Fixtures and Press Tools**” on 19th March , 2018.
4. Organized 3 days “**Entrepreneurship Awareness Camp**” from 11.02.2019-13.02.2019 sponsored by IEDC cell, MHRD.
5. Organized **1st National level Design Contest** “SAIPRODUXIO” presents **D.O.P.E FEST 19** on 4th September 2019 under the Banner of Society of Production Engineers.
6. Organized Webinar “ **INDUSTRY 4.0**” on 20.05.2020 under the Banner of Society of Production Engineers.

Funded projects (List) -

Publication:(Details)

- ❖ **Mr.S.Arunprasad**, Published a paper on “Mechanical Properties of Kevlar Fibre Reinforced With Banana Fibre and Aluminium Mesh using Epoxy Resin”, International Journal of Recent Technology and Engineering (IJRTE), SCOPUS Indexed Journal , Volume-8 Issue-5, pp 447-450,January 2020.
- ❖ **Mr.S.Arunprasad**, Published a paper on “**Productivity improvement in gravity die casting flywheel housings through implementation of regenerative circuited hydraulic power pack**”, **Journal of Emerging Technologies and Innovative Research (JETIR)**, UGC Approved Journal ,Vol 6 ,Issue 6,Pages 303-306, **June 2019**.

- ❖ **Mr.S.Arunprasad**, Published a paper on “**Analysis and Reduction of surface defects in cars**”, **International Journal of Engineering Research in Computer Science and Engineering (IJERCSE)**, UGC Approved Journal ,vol 5 Issue 3, Pages 953-955, March 2018.
- ❖ **Mr.S.Arunprasad**, Published a paper on “**Experimental investigation on the performance and emission characteristics of a diesel engine by varying the injection pressure and injection timing using mixed biodiesel**”, **International Journal of Green Energy**, Taylor & Francis, Web of Science Indexed, Pages 376-384, <https://doi.org/10.1080/15435075.2018.1464923>, April 2018.
- ❖ **Mr.S.Arunprasad**, Published a paper on “**Influence of Addition of Silicon on Mechanical Properties of Aluminum – Zinc alloy**”, **International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) - SCOPUS INDEXED**, ISSN(Print) : 2249-6890, ISSN(Online) : 2249-8001, Vol. 8, pp. 113 - 120, **April 2018**.
- ❖ **Mr.S.Arunprasad**, “**Optimization Of Performance Parameters of a C.I Engine Fueled With Neem Bio Diesel Using Taguchi Technique**”, **Advanced Materials Research (AMR)**, Vols. 984-985, pp. 867 - 872, July 2014.
- ❖ **Mr.S.Arunprasad**, “**Performance and Emission Characteristics of a Mixed Biodiesel Fueled C.I Engine**”, **Applied Mechanics and Materials (AMM)**, Vols.766-767, pp. 557 - 561, February 2015.
- ❖ **Mr.S.Arunprasad**, “**Influence of Compression ratio on C.I engine performance & Emission characteristics fueled by mixed biofuel**”, **International Journal of Applied Engineering Research**, ISSN 0973-4562, Vols.10 No.50, 2015.

- ❖ **Mr.S.Arunprasad, “ An Experimental Investigation on NOx reduction in a Bio-fuel single cylinder C.I.Engine by EGR Technigue”, SSEC Tech journal, 2008.**

Conference :(list)

- ❖ **Mr.S.Arunprasad, Presented a paper on “Applications of Wonder Material – A Review on modern application of Graphene”, in Third International Conference on Innovative & Emerging Trends in Engineering and Technology (ICIETET’18) organized by Panimalar Institute of Technology, in association with CSI, IETE, IEEE, ISTE, ICTACT, IET and SAEINDIA on March 9, 2018.**
- ❖ **Mr.S.Arunprasad, Presented a paper on “Reducing the manufacturing lead time by modifying the welding process”, in International conference on “Mechanical, Materials and Manufacturing systems”(ICMMMS’16),Sri Sai Ram Engineering College, Chennai on February 24 & 25, 2016.**
- ❖ **Mr.S.Arunprasad, Presented a paper on “Performance and emission characteristics of a mixed biodiesel fueled C.I engine”, in International Conference on “Advances in Material and Manufacturing Engineering” (ICAMME’14), Sri Sairam Engineering College, Chennai on December 19 & 20, 2014.**
- ❖ **Mr.S.Arunprasad, Presented a paper on “Optimization of Performance Parameters of A C.I Engine Fueled With Neem Bio Diesel Using Taguchi Technique”, in International Conference on Recent Advances in Mechanical Engineering and Interdisciplinary Developments (ICRAMID-2014), Ponjesly College of Engineering, Nagercoil on March 7 & 8, 2014.**
- ❖ **Mr.S.Arunprasad, Presented a paper on “Weight Distribution In Carousel Storage System Using Programmable Controller”, in International Conference on Recent**

Advances in Mechanical Engineering and Interdisciplinary Developments (ICRAMID-2014), Ponjesly College of Engineering, Nagercoil on March 7 & 8, 2014.

- ❖ **Mr.S.Arunprasad**, Presented a paper on **“Optimization of Engine parameters of four stroke single cylinder C.I Engine using biodiesel using taguchi method”**, Tagore Engineering College, Chennai on May 23-24, 2013.
- ❖ **Mr.S.Arunprasad**, Presented a paper on **“Design and Manufacture of a Tilttable Welding Positioner”**, G.K.M College of Engg & Technology, Chennai on March 16, 2011.
- ❖ **Mr.S.Arunprasad**, Presented a paper on **"A simple approach to formulate project planning and cost management for Entrepreneurs"**, Sri Sai Ram Engineering College, Chennai on April 17, 2008.
- ❖ **Mr.S.Arunprasad**, Presented a paper on **"Optimization of riser diameter for Al-alloy casting using ANSYS Software"**, Sri Sai Ram Engineering College, Chennai on April 17, 2008.
- ❖ **Mr.S.Arunprasad**, Presented a paper on **"An Experimental Investigation on NOx reduction by EGR in a Bio-fuel single cylinder C.I.Engine"**, Sri Jayachamarajendra College of Engineering on November 17 - 18, 2006.
- ❖ **Mr.S.Arunprasad**, Presented a paper on **“An evaluation of cylindrical riser design with insulating material for Al-alloy casting using ANSYS”**, VIT, Vellore on July 19 - 22, 2006.

Online Course:

- ❖ **Mr.S.Arunprasad**, completed **NPTEL online certification programme** on **“THEORY AND PRACTICE OF NON DESTRUCTIVE TESTING”** and received **ELITE CERTIFICATE** for the Successfully Completion.
- ❖ **Mr.S.Arunprasad**, completed online certification programme on **“The complete Data Science and Machine Learning using Python”**
- ❖ **Mr.S.Arunprasad**, completed 50 online certificate Courses in Coursera.
- ❖ **Mr.S.Arunprasad**, completed 3 online certificate Courses in Future Skills