



Sriram Engineering College

Department of Mechanical Engineering

Name & Photo :		Dr. P. PRABHU 
Designation:		Associate Professor & HOD
Qualification :	UG(Specialization)	B.E., (Mechanical Engg.)
	PG(Specialization)	M.E., (Manufacturing Engg.)
	PhD	Mechanical Engineering
Area of Specialization :		Manufacturing Engineering
Experience :	Teaching	14 Yrs.
	Industrial	1 Yrs.
Participation in (Specify only numbers)	International / National	14 / 2 Journal 4 / 6 Conference
	Training Programs	04

	Subjects Handled	1. Engineering Graphics 2. Engineering Mechanics 3. Strength of Materials 4. Engineering Materials & Metallurgy 5. Design of Transmission Systems 6. Design of Machine Elements 7. Kinematics of Machinery 8. Dynamics of Machinery 9. Process Planning and Cost Estimation 10. Polymer and Composite Materials
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Experience Details: (Teaching & Industrial):

<i>Name of the Institution</i>	<i>Designation</i>	<i>Total No. of Yrs. / Mons.</i>
Sriram Engineering College, Perumalpattu	Associate Professor & HOD (Auto)	6 Yrs 03 months
DMI college of Engineering, Chennai	Associate Professor & HOD	2 Yrs 06 Mons
DMI college of Engineering , Chennai	Senior Lecturer/ Assistant Professor	3 Yr 03 Mons.
Bharath University, Chennai	Lecturer	1 Yr 07 Mons.
PGP college of Engg and Tech ,Namakkal	Lecturer	08 Mons.
Tamilnadu Machine Tools	Trainee Engineer	1 Yr.

Paper Presentation in Conferences/FDP/Workshop/Seminar/Guest Lecture:

<i>S.No.</i>	<i>Date</i>	<i>Venue</i>	<i>Event</i>	<i>Title</i>
1.	22.01.2007 to 03.02.2007	NITTTR, Chennai.	Training Program	Induction Training Programme for Engineering College Teachers
2.	15.02.2008 to 16.02.2008	Vel Tech, Chennai.	Training Program	Virtual Experimental Techniques using Lab View Software

3.	29.01.2016	Velammal Engineering College ,Chennai	Workshop	National Level Workshop on research paper and funded project proposal writing skills
4.	24.02.2016	Sri Sairam Engineering College, Chennai	International Conference	, Improved on high speed steel single point cutting tool using Physical Vapour Deposition coating Process. ICMMS'16 Chennai
5.	17.08.2016	Kings Engineering College, Chennai	Workshop	National Level Workshop on Optimization Techniques
6.	30.09.16	Sree Sastha College of Engineering, Chennai	National Conference	Preparation And Experimental Investigation of CuO Nano Particles On Thermo Mechanical Properties Of Nanobased Polymer Composites on National Conference on Advancements in Mechanical Engineering
7.	27.02.17	R.M.K College of Engineering and Technology, Chennai.	National Conference	Six Stroke Engine, Sixth National Conference on FAME - 2017
8.	03.03.17	Aalim Muhammed Salegh College of Engineering, Chennai	International Conference	Investigation of Cryogenic Treatment during Drilling of Austenitic Stainless Steel on International Intellectual Convergence on Advances in Science and Engineering (IIASE-2017)
9.	23.03.2017 to 24.03.2017	Karpaga Vinayaga College of Engineering & Technology, Kanchipuram	National Level Seminar	BioResource Technology for BioFuels, BioEnergy and Environmental Sustainability (BIOENS17)

10.	01.04.17	Valliammai Engineering College, Chennai	National Seminar	National Seminar on Emerging Technologies in Engineering (NSETTE – 17
11.	15.05.17 to 17.05.17	R.M.K College of Engineering and Technology, Chennai	FDP	Mechatronics as Applied to Industries
12.	23.06.17	S.A Engineering College, Chennai	National Workshop	Advanced Manufacturing process applied to combat vehicle components
13.	10.11.17 & 11.11.17	Veltech Dr.RR & Dr.SR University, Chennai	National Level Seminar	Advances in Cryogenics and Cryo- Materials
14.	05.07.2018 & 06.07.2018	S.A Engineering College, Chennai	National level Workshop	Recent trends in fabrication & characterization of Nano composites related to combat vehicle components
15..	20.12.2018 & 21.12.2018	Saveetha Engineering College, Chennai	National seminar	National level seminar on Recent Trends in Advanced Materials (RTAM –2k18)
16.	18.06.19 to 22.06.19	Vel Tech High Tech Engineering College, Chennai	FDP	Advances in Computational Fluid Dynamics (CFD)
17.	18.12.19 To 22.12.19	Vel Tech High Tech Engineering College, Chennai	FDP	Recent Trends in Automation and IIOT
18.	09.05.2020	Chennai Institute of technology, Chennai	Webinar	Participated in Webinar Knowledge 4.0/ Technical Real Life Applications of Mechatronics

19.	10.05.2020	Metro Composites R&D Centre	Webinar	Participated in Webinar Composites Materials: Introduction , Application & Future. / Metro Composites R&D Centre ,
20.	13.05.2020	Chennai Institute of technology, Chennai	Webinar	Knowledge 4.0/ Introduction to image quality measures
21.	13.05.2020	Chennai Institute of technology, Chennai	Webinar	Knowledge 4.0/ Additive Manufacturing (3D Printing) with some Business Cases
22.	18.06.2020 to 19.06.2020	Chennai Institute of technology, Chennai	Seminar	Two days international seminar on Advances in Materials and Manufacturing,
23.	22.06.2020	Christu Jyothi Institute of Technology, Jangaon	Webinar	National level Webinar on Design of Experiments, & Science
24.	27.06.2020	Panimalar Engineering College, Chennai,	Webinar	Comprehensive webinar on Adoption of BS-VI and approaching Electric Vehicles thriving E-Mobility
25.	29.06.2020	Francis Xavier Engineering College, Tirunelveli	Webinar	An insight in to Piping Construction in Petrochemical Industry,
26.	29.06.2020	Rajalakshmi Engineering College, Chennai	Webinar	Effect of saturated fatty acids in biodiesel on performance and emissions in CI Engines
27.	07.07.2020	Vignan Institute of Technology & Science (VITS)	Webinar	Webinar on Shape memory alloys: Application & Research Opportunities

28.	11.02.2021	Southern Institute for materials and manufacturing academic services - SIMMAS	Workshop	Transforming Heuristic Academic Research in to useful Application Research (THARA-2021)
29.	01.03.2021 – 06.03.2021	Chennai Institute of technology, Chennai	Seminar	AICTE – STTP on Sustainable Industrial Development through Industry 4.0

Publications in Journals/ Conference:

<i>S.No</i>	<i>Title, Vol., No., pp., year</i>	<i>National / International</i>	<i>Journal</i>
1.	Interfacial Reaction during Remelting of Metal Matrix Composites, Vol 52, July 2006, IIF Publications	National Journal	Indian Foundry Journal
2.	An approach to use Nanocomposite binders to recycle thermoset plastics, Vol 1(6), 1-6. ESRSA Publications, 2011.	International Journal	International Journal of Engineering Research and Technology
3.	Barrier Properties of Hybrid Nanocomposites, Vol 3(12), 8267 – 8273, Engg journal publications,2011	International Journal	International Journal of Engineering Research and Technology
4.	Machinability Study of Hybrid Nanoclay-Glass Fibre Reinforced Polyester Composites, Volume 2013, Article ID416483, 11 pages ,Hindawi publications (AU – Annexure – 1)	International Journal	International Journal of Polymer Science

5	Thermal Performance of Spiral Tube Heat Exchanger using Nano Fluid – Experimental Study”, , ISSN: 1991-8178, vol 9(11), pp:417-421, AENSI publisher May 2015	International Journal	Australian Journal of Basic and Applied Sciences
6.	“Investigation of Elliptical Delamination Buckling in Stitched and Unstitched Composite Laminate “, International Journal of Applied Engineering Research, ISSN 0973-4562 vol.10 No.71, pp408-412, Research India Publications (2015).	International Journal	International Journal of Applied Engineering Research
7.	3D-Modeling, Design and Analysis of Mechanism of Tire Fixture used in Tire building Machine”, ISSN 0973-4562 vol.10 No.71, pp456-463, Research India Publications(2015).	International Journal	International Journal of Applied Engineering Research
8.	An Over Review of the Effect of Process Parameters, Tool Geometry and Joint Geometry in Friction Stir Welding and Friction Stir Processing”, , ISSN 0973-4562 vol.10 No.71, pp448-455,(2015), Research India Publications(2015)	International Journal	International Journal of Applied Engineering Research
9.	Investigation on HSS single point cutting tool manufactured using physical vapor deposition coating process.Vol.23,June 2016,PP.129-133 (AU – Annexure – I)	National Journal	Indian journal of Engineering and materials sciences
10.	Effect of Physical Vapour Deposited Bi-layer (AlCrN + TiAlN) Coating on High Speed Steel Single point cutting tool. Volume 32(4), 2017, PP 373-376. (AU – Annexure – I)	International Journal	Materials and Manufacturing Processes. (Taylor& Francis)
11.	Experimental investigation of mechanical and machining parameters of hybrid nanoclay glass fiber-reinforced polyester composites. March 2019, Volume 2, Issue 1, pp 93-101	International Journal	Advanced Composites and Hybrid Materials, Springer Publications

12.	Experimental Study Of Cuo Nanoparticles On Thermomechanical Properties Of Nanobased Polymer Composites, Vol. 8(9), Sep 2019, PP1847- 1852.	International Journal	International Journal of Scientific & Technology Research,
13.	Voltage Slump Compensation using Facts Controllers on Power System, Vol.8(11), Sep 2019, PP1621 – 1626.	International Journal	International Journal of Innovative Technology and Exploring Engineering
14.	Analysis Of Friction Stir Welding Between Dissimilar Materials Using Bobin Tool, Vol. 8(12) Dec 2019, PP2585-2588.	International Journal	International Journal of Scientific & Technology Research
15.	Design and Fabrication of Multi Nozzle Battery Spray Pump, Vol.29 (3), 2020, PP 724-738.	International Journal	International Journal of Advanced Science and Technology
16.	Fabrication and Characterization of Acrylonitrile Butadiene Rubber and Stiche E – glass fibre Tailored Nano – silica Epoxy Resin Composite Silicon (Springer) (SCIE),published online 22.07 2020	International Journal	Silicon (Springer Publications)

Any other worth mentioning:

- i. Anna University Ph.D Guide Reference No: 2720077
- ii. Conference Coordinator: Grants Rs15,000 Received, TNSCST, National Conference On Emerging Trends in Mechanical Engineering (NCETME-2K17) On 27.09.2017 at Sriram Engineering College.
- iii. Convener - National conference on Developments in Automobile and Mechanical engineering-2019 (Dame'2019) on 08.03.2019
- iv. Convener – One Day Certificate Training Program on Basic Machining Process and Automotive Systems
- v. SSLC – Centum in Mathematics
- vi. Ph.D student guiding under supervision: 01

Seminars / Conference organized

1. National Conference Coordinator 2017: Grants Rs15,000Received, TNSCST, National Conference On Emerging Trends in Mechanical Engineering (NCETME-2K17) On 27.09.2017 at Sriram Engineering College.

2. National conference Convener 2019: National conference on “Developments in Automobile and Mechanical Engineering – DAME 2019, On 08.03.2019 at Sriram Engineering College.

Patent

Australian

1. Patent Application Number : 2020102727 , Filed Date : 15.10.2020 , A novel method to design a dynamo electric vehicle, Patent Grant on 13.01.2021
2. Patent Application Number : 2020102967 , Filed Date : 22.10.2020, A parallel series electric hybrid vehicles based on geometry formulation, Patent Grant on 09.12.2020
3. Patent Application Number : 2020103439 , Filed Date : 14.11.2020 , Development of advanced multi agent system with mobile robot for control strategy, , Patent Grant on 13.01.2021

Indian

1. Patent Office Journal Publication No.35/2019, P-39613 Dated : 30.08.2019, CBR No:687 , Application Number: 201941000799, Experimental of Mechanical and Machining Parameters of hybrid nano clay agave fiber polyester composites, 08.01.2019.
2. CBR No: 8852, Application Number: 317588-001, Transformer type reactor (Design), 09.05.2019 (Filed Patent First Examination Report received and a power attorney was submitted)
3. Patent Office Journal Publication No.27/2020, P-25085 Dated : 19.06.2020, Application Number: 202041025882, Secured protection device for safety during overload conditions, 03.07.2020.

Result Produced :

S.NO	Subject Title	Result Produced
1	Automotive Safety	100
2	Basic Civil & Mechanical Engineering	100
3	Engineering Graphics	97

Membership in Professional Society:

- i. ASME ID NUMBER: 000102115746