

RESUME



Dr.P.PRABHU

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OBJECTIVE:

To seek a position as **Professor** in Mechanical Engineering in your esteemed concern, where I can facilitate the development of an organization utilizing my knowledge and research experience.

Academic Qualification

Category	Name of the Degree	Specialization	Year of Passing	Name of the School/College	Name of the University	% of Marks / Grades obtained	Class obtained
SSLC	SSLC	X Standard	1997	Corporation high school, Anupparpalayam, Coimbatore	State Board	86.8	
HSC / Diploma	HSC	XII Standard	1999	VHN Higher Secondary School, Madurai	State Board	72.5	
UG	B.E	Mechanical Engineering	2003	SACS MAVMM Engineering College	Madurai Kamaraj	66.78	First
PG	M.E	Manufacturing Engineering	2006	Annamalai University	Annamalai University	8.48 CGPA	FWD
Ph.D.	Ph.D	Mechanical Engineering	2012	Bharath University	Bharath University	----	----

Anna University Supervisor For Ph.D (Mechanical Engineering) : Ref No 2720077

Ph.D students guiding under supervision: 01**Ph.D (Mechanical Engineering)**

Project - “Processing and optimization of mechanical and machining parameters of hybrid nanoclay-glass fibre reinforced polyester composites”

M.E (Manufacturing Engineering)

Project - Thin casting of LM4 alloy (Al-5Si-3Cu) by Low Pressure Casting.
(CSIR – Trivandrum)

Engineering College Academic Experience as on January 2021

Name of the College/Institute	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sriram Engineering College, Chennai	Associate Professor	02.01.2015	Till date	6	-	21
Madha Institute of Engineering and Technology	Associate Professor	02.07.2014	30.10.2014	-	3	29
DMI College of Engineering , Chennai	Assistant Professor & HOD	01.06.2012	30.06.2014	2	1	-
Sree Sastha college of Engineering	Assistant Professor	04.07.11	25.04.12	-	9	22
DMI College of Engineering , Chennai	Senior Lecturer	10.09.09	02.06.11	1	8	22
Prist University, Chennai Campus	Lecturer	12.02.09	07.09.09	-	6	26
Bharath University, Chennai	Lecturer	16.07.07	11.02.09	1	6	24
PGP College of Engg & Tech, Namakkal	Lecturer	21.07.06	17.03.07		7	28
Total :				13	9	22

Industrial Experience as on January 2021

Name of the Organisation	Designation	Nature of Work	Joining Date	Relieving Date	Experience		
					Years	Months	Days
Tamilnadu Machine Tools, Tiruvallur	Trainee Engineer	Production	25.08.03	10.09.04	1	-	15
Total					1	-	15

Profession Body

ASME ID NUMBER: 000102115746

Patent Grants and Filed:

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.

Grants Received and Proposal Submitted

1. Development of high wear resistive natural agave composites for aircraft and automotive applications

Scheme : High Risk High Reward

Total Cost (in Rs.) : 17,25,000

File Number: HRR/2018/000099

Dated: 24-Sep-2018

Proposal is in-order and it is under consideration for further processing

2. Grants Rs15,000 Received, TNSCST, National Conference On Emerging Trends in Mechanical Engineering (NCETME-2K17) On 27.09.2017 at Sriram Engineering College.
3. TNSCST Applied on Student Project Scheme for B.E Students, Project Title “Machinability of Agave and Glass fiber-reinforced polyester Composites (A/GFRP)” on 2017

Seminars / Conference organized

1. National Conference Coordinator 2017: Grants Rs15,000 Received, 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.

List the No. of Project Guided

Degree	Completed	On Going
UG (B.E)	15	3
PG (M.E)	3	-
Ph.D	-	1

LIST OF PUBLICATIONS

Content	National	International
Journals	2	16 (Published) + 4 (Communicated)
Conferences	6	4

International Journal

1. **Barrier Properties of Hybrid Nanocomposites** in International Journal of Engineering Science and Technology, 3(12), 8267 – 8273, (2011).
2. **An approach to use Nanocomposite binders to recycle thermoset plastics** in International Journal of Engineering Research and Technology 1(6), 1-6, (2012).
3. **Machinability Study of Hybrid Nanoclay-Glass Fibre Reinforced Polyester Composites.** International Journal of Polymer Science, Volume 2013, Article ID416483, 11 pages, (2013) (Anna University Annexure)(SCIE)
4. **Thermal Performance of spiral tube heat exchanger using Nano Fluid – Experimental study,** Australian Journal of basics and applied sciences (ISSN: 1991-8178) , (2015) , Vol9(11), pp 411-421.American Eurasian journal network for scientific information publisher
5. **Investigation Of Elliptical Delamination Buckling In Stitched And Unstitched Composite Laminate,** International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.71 (2015), pp408-412.

6. **Modeling, Design and Analysis of Tyre fixture used in Tyre building machine**, International Journal of Applied Engineering Research, ISSN 0973-4562 Vol. 10 No.71 (2015), pp446-453.
7. **An Over review of the effect of process parameters, tool geometry and joint geometry in Friction stir welding and Friction stir processing**, International Journal of Applied Engineering Research ISSN 0973-4562 Vol. 10 No.71 (2015), pp 448-454.
8. **Effect of Physical Vapour Deposited Bi-layer (AlCrN + TiAlN) Coating on High Speed Steel Single point cutting tool**, Materials and Manufacturing Processes, Volume 32(4), 373-376 (2017) (Anna University – Annexure)(SCIE)
9. **Investigation on HSS single point cutting tool manufactured using physical vapor deposition coating process**, Indian Journal of Engineering & Materials Sciences, Vol. 23, April & June 2016, pp. 129-133 (Anna University – Annexure) (SCIE)
10. **Experimental investigation of Mechanical and Machining Parameters of Hybrid Nanoclay-Glass Fibre Reinforced Polyester Composites**, Advanced Composites and Hybrid Materials (Springer Publications) (SCIE), Vol. 2(1),Mar 2019, pp.93-101.
11. **Experimental Study Of CuO Nanoparticles On Thermomechanical Properties Of Nanobased Polymer Composites**, International Journal of Scientific & Technology Research (Scopus), Vol. 8(9), 2019, PP1847- 1852.
12. **Analysis Of Friction Stir Welding Between Dissimilar Materials Using Bobin Tool**, International Journal of Scientific & Technology Research (Scopus), Vol. 8(12), 2019, PP2585-2588.
13. **Voltage Slump Compensation using facts controllers on power system**, International Journal of Innovative Technology and Exploring Engineering , Vol.8(11), 2019, PP1621-1626
14. **Design and Fabrication of Multi Nozzle Battery Spray Pump**, International Journal of Advanced Science and Technology (Scopus), Vol.29(3), 2020, PP 724-738.
15. **Stability Improvement On Industrial Load using Current Controlled Voltage Regulator**, Materials Today Proceedings Journal , Elsevier , Vol .33(1), 2020, PP 642-649,
16. **Fabrication and Characterization of Acrylonitrile Butadiene Rubber and Stiche E – glass fibre Tailored Nano – silica Epoxy Resin Composite** , <https://doi.org/10.1007/s12633-020-00612-0> ,Silicon (Springer) (SCIE), published online 22.07 2020
17. **Failure analysis of Silane treated Kevlar reinforced Nano-silica toughened Epoxy Composite in Laminar Shear Strength, Drop load impact and Drilling Process**, Polymer Composites (Wiley) (Accept with Minor Revision), July 2020.
18. **Mechanical, Wear and Drop load impact Behaviour of Glass / Carbon Fibre Reinforced B4C/ Nano-silica Toughened Un-saturated Polyester Composite**, Silicon (Springer) (Under Review), August 2020.
19. **Aminopropyltrimethoxysilane functionalized glass /carbon intraplyfibre reinforced B4C Nanosilica toughened unsaturated polyester composite: Mechanical Wear and Drop load impact behavior**, Journal of polymer research (Springer) (Under Review), October 2020.

20. **A new approach of desalination system based on nano material aluminium oxide bed,** Arabian Journal for Science and Engineering , (Springer) (Under Review), November 2020.
21. **Fiber treatment study on the flexural properties and impact composites of natural fiber reinforced composites** ,Journal of Bio- and Tribo-Corrosion (Springer) (Accept with minor revision),November 2020.
22. **Evaluation of sea water quality and enhancing the quantity of desalination system using nano – technique,** Advances in Mechanical Engineering (Sage) (Under Review), December 2020.

International Conference

1. **Improvement on High speed steel single point cutting tool using physical vapor deposition coating process,** International Conference on Mechanical, Materials and Manufacturing Systems. (ICMMS'16), 24.02.2016 on Sri Sai ram Engineering Colleg, Chennai.
2. **Investigation of Cryogenic Treatment during drilling of Austenitic Stainless Steel,** International Conference IIASE – 2017, 3.03.17 on Aalim Muhammed Salegh College of Engineering, Chennai.
3. **Experimental Investigation of Palm Fiber / ZnO / Epoxy Nano Composite,** International Conference on Materials Engineering and Characterization (ICMECH' 19), 10.05.2019 on Adhi College of Engineering and Technology.
4. **Machinability Study of Hybrid Nanoclay- Agave Fibre Reinforced Polyester Composites.,** International Conference on Innovations in Engineering Technology and Management, 18.05.2019 on J.N.N Institute of Engineering, Chennai

National Journal

1. **Interfacial Reaction during Remelting of Metal Matrix Composites** in Indian Foundry Journal.Vol 52, (2006)
2. **Investigation on HSS single point cutting tool manufactured using physical vapor deposition coating process,** Indian Journal of Engineering & Materials Sciences Vol. 23, April & June 2016, pp. 129-133 (Anna University – Annexure)

National Conference

1. **Preparation and Experimental investigation of CuO Nano Particles on thermo mechanical Properties of Nano based polymer composites,** National Conference on NCAME2K16, 30-09-2016, Sree Sashta College of Engineering, Chennai
2. **Six Stroke Engine,** Sixth National Conference on FAME - 2017, 27-02-2017, R.M.K College of Engineering and Technology, Chennai.
3. **Experimental study of CuO Nano Particles of thermo mechanical Properties of Nano based polymer composites,** National Conference on Fascinating Advancements in Mechanical Engineering (Fame – 2019), 11-02-2019, RMK College of Engineering and Technology, Chennai.

4. **Experimental of mechanical and machining parameters of hybrid agave & glass fiber – reinforced polyester composites (A/GFRP) paper present on** National Conference on optimization techniques and recent innovations in design, manufacturing and thermal engineering ISBN 978-81945588-5-9] – NCRIDMT 2020, Santhiram Engineering College , Nandyal – 518501 dated on 13.06.2020.
5. **Study of mechanical, thermal and morphological properties of pine apple fiber reinforced epoxy composites** paper present on National Conference on optimization techniques and recent innovations in design, manufacturing and thermal engineering ISBN 978-81945588-5-9] – NCRIDMT 2020, Santhiram Engineering College , Nandyal – 518501 dated on 13.06.2020.
6. **Impact of process parameters on welding strength and micro structure properties in Friction Stir welded two dissimilar aluminium alloys AA6061 and AA7075,** National Conference on Recent Advancements in Mechanical Engineering, Chennai Institute of technology submitted on 13.07.2020.

Computer Knowledge

- Hypermesh 7.0, Ansys.
- Languages known : C
- Operating System : Windows

Programme

1. Participated in the AICTE Sponsored “Induction Training Programme for Engineering College Teachers” by NITTTR from 22.01.2007 to 03.02.2007
2. Participated in the two day workshop on “Virtual Experimental Techniques using Lab View Software” by Vel Tech Engineering College, Chennai from 15.02.2008 to 16.02.2008
3. Participated in National level Workshop on Research Paper and Funded Project Proposal writing skills held on 29.01.2016, Velammal Engineering College, Chennai.
4. Participated in National level Workshop on Optimization Techniques held on 17.08.2016, Kings Engineering College, Chennai.
5. Participated in “National Level Seminar on “ BioResource Technology for BioFuels, BioEnergy and Environmental Sustainability (BIOENS17) ” by Karpaga Vinayaga College of Engineering & Technology, Kanchipuram from 23.03.2017 to 24.03.2017.
6. Participated in “National Seminar on Emerging Technologies in Engineering (NSETE – 17) ” by Valliammai Engineering College, Chennai held on 01.04.2017.
7. Participated in FDP on “Mechatronics as Applied to Industries” by R.M.K College of Engineering and Technology, Chennai from 15.05.17 to 17.05.17.
8. Participated in “National Workshop on “ Advanced Manufacturing process applied to combat vehicle components” by S.A Engineering College, Chennai held on 23.06.2017.
9. Participated in “National Level Seminar on “ Advances in Cryogenics and Cryo-Materials” by Veltech Dr.RR & Dr.SR University, Chennai from 10.11.2017 to 11.11.2017.

10. Participated in “National Workshop on “ Fabrication & Characterization of Nano Composites related to Combat Vehicle Components” by S.A Engineering College, Chennai held on 06.07.2018.
11. Participated in “National Level Seminar on “ Recent Trends in Advanced Materials (RTAM-2K18)” by Saveetha Engineering College, Chennai from 20.12.2018 to 21.12.2018.
12. Participated in Faculty Development Training Programme on “Advances in Computational Fluid Dynamics (CFD)” by Vel Tech High Tech Engineering College, Chennai from 18.06.2019 – 22.06.2019
13. Participated in Faculty Development Training Programme on “Recent Trends in Automation and IIOT)” by Vel Tech High Tech Engineering College, Chennai from 18.12.2019 – 22.12.2019.
14. Participated in Webinar Knowledge 4.0/ Technical Real Life Applications of Mechatronics , Chennai Institute of technology, Chennai from 09.05.2020.
15. Participated in Webinar Composites Materials: Introduction , Application & Future. / Metro Composites R&D Centre , 10.05.2020.
16. Participated in Webinar Knowledge 4.0/ Introduction to image quality measures , Chennai Institute of technology, Chennai , 13.05.2020.
17. Participated in Webinar Knowledge 4.0/ Additive Manufacturing (3D Printing) with some Business Cases, Chennai Institute of technology, Chennai , 13.05.2020.
18. Participated in two days international seminar on Advances in Materials and Manufacturing, Chennai Institute of technology, Chennai from 18.06.2020 to 19.06.2020.
19. Participated in National level Webinar on Design of Experiments, Christu Jyothi Institute of Technology & Science, Jangaon, 22.06.2020
20. Participated in Comprehensive webinar on Adoption of BS-VI and approaching Electric Vehicles thriving E-Mobility, Panimalar Engineering College, Chennai, 27.06.2020.
21. Participated in Webinar on An insight in to Piping Construction in Petrochemical Industry, Francis Xavier Engineering College, Tirunelveli, 29.06.2020
22. Participated in Webinar on Effect of saturated fatty acids in biodiesel on performance and emissions in CI Engines, Rajalakshmi Engineering College, Chennai, 29.06.2020
23. Webinar on Shape memory alloys: Application & Research Opportunities Organized by Vignan Institute of Technology & Science (VITS), 7/7/2020.
24. Webinar on Transition from Thermo-Chemical(IC-Engines) to electro-chemical system(Fuel Cells)-The future of Energy conversion systems, AJ institute OF Engg & Technology, 11 /7/2020

Subject Handled

1. Strength of Materials ,
2. Engineering Mechanics
3. Engineering Graphics
4. Kinematics of Machinery
5. Dynamics of Machinery
6. Design of Transmission Systems
7. Basic Civil and Mechanical Engineering

Personal Details:

Date of Birth : 07-06-1982

Citizen : Indian

Sex : Male

Religion: Hindu

Category: BC

Marital status: Married

Children: 1

Native: Rajapalayam

References**Dr. B.Karthikeyan**

Professor

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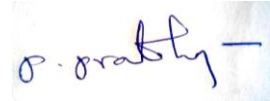
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I hereby declare that the information furnished above is real to the best of my knowledge



P.Prabhu