

Name	Dr.P.GOPINATH		
Designation & Department	ASSISTANT PROFESSOR & MECHANICAL ENGINEERING		
Qualification	B.E., M.E., MBA., Ph.D.		
Area of Specialization	CAD		
Date of Joining (KSR IET)	01.07.2011		
Experience (as on 01.01.2018)	Teaching:19	Industry: NIL	Others: NIL
Number of Papers Published	National Journals : 02	International Journals : 02	
Number of Papers Presented	National Conferences : 11	International Conferences : 09	
Books Published	National Publisher : 02	International publisher : NIL	
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Publications (International Journals)

1. P. Gopinath, A.Mohanraj & P. Suresh “Investigation of mechanical properties of jute fiber epoxy reinforced composites using Taquchi method” International Journal of Tierarztliche Praxis, Vol-9:Issue-3 ISSN-0303-6286.
2. P. Gopinath, & P. Suresh, 2018, ‘Effect of Jute Reinforcement Parameters on Mechanical Properties of Composite Structures’, Journal of Testing and Evaluation, <https://doi.org/10.1520/JTE20170531>.
ISSN 0090 - 3973. (Impact Factor – 0.669)
ANNEXURE I & SCI - INDEXED JOURNAL
3. P. Gopinath, & P. Suresh, 2014, ‘Mechanical Behaviour of Fly Ash Filled, Woven Banana Fiber Reinforced Hybrid Composites as Wood Substitute’, International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (P): 2249-6890; ISSN (E): 2249-8001 Vol. 4, Issue 2, Apr 2014, 111- 116. SCOPUS INDEXED.

Publications (National Journals)

1. P. Gopinath,” Modelling and Analysis of thrust force and Torque in Drilling Natural FRP Composites”, Proceeding of the national Journal for science and Technology (Tech Scripts), pp 56.
2. P. Gopinath,” Smart Agricultural Farm using IOT (Internet of Things)”, Proceeding of the International Journal of Engineering Science and Computing, ISSN 2250-1371, Vol 9 Issue No.3 March 2019.

Publications (International Conferences)

1. **P. Gopinath, “Analysis of Thrust Force and Torque in Drilling Natural FRP Composites”**, Processing of the international conference on Advance in Civil and Mechanical Engineering in (ACME-2014).
2. **P. Gopinath, “Delamination Analysis of Jute Fiber Composites”**, Proceedings of the international conference on Modelling, Simulation and Control in (ICMSC-2015).
3. **P. Gopinath, “Eco friendly Characterization of Composite Materials”**, Proceedings of the international conference on Innovative Engineering Skills in (ACETIC-2014).
4. **P. Gopinath, “Investigation of Mechanical Properties and behaviour of Stir Cast AL-alloy based Composites”**, Proceedings of the international conference on Civil, Mechanical, Chemical Engineering and Technologies - 2018 in (ICCMCT - 2018).
5. **P. Gopinath, “Characterization of Jute – Epoxy Reinforced Composites”**, Processing of the international Conference on Innovations in Science, Engineering and Technology for Sustainable Development in (ISETSD-2018).
6. **P. Gopinath, “Optimization of Mechanical Properties using Ridge Gourd, Sisal and Jute Fibres”**, Processing of the international Conference on Innovations in Science, Engineering and Technology for Sustainable Development in (ISETSD-2018).
7. **P. Gopinath, “Jute Fibre and Ridge Gourd, Composites using Vinyl ester”**, Proceedings of the international Conference on Advanced Manufacturing and Automation in (INCAMA-2018).
8. **P. Gopinath, “Smart Agricultural Farm using IOT (Internet of Things)”**, Proceeding of the international Conference on Innovative Engineering Initiatives in (ICIEI-2019).
9. **P. Gopinath, “Soil Testing for Smart Agriculture using Arduino UNO”**, Proceeding of the international Conference on Sustainable Materials in (ICSM-2019).

Publications (National Conferences)

1. **P. Gopinath, “Modelling and Analysis of Thrust Force and Torque in Drilling GFRP Composites”**, Proceeding of the national Conference on Mechatronics and Mechanical Systems in (NCMMS-2013).
2. **P. Gopinath, “Modelling and Analysis of Thrust Force and Torque in Drilling GFRP Composites”**, Proceeding of the national Conference on Recent Trends in Engineering and Technology in (NCRTE-2013).
3. **P. Gopinath, “Modelling and Analysis of Thrust Force and Torque in Drilling GFRP Composites”**, Proceeding of the national Conference on Emerging Trends in Engineering and Technology in (ETET-2014).
4. **P. Gopinath, “Development of Fracture Fixation Plate using Natural Composite Materials”**, Proceeding of the national Conference on Modern Trends in Mechanical Engineering in (MTME-2014).
5. **P. Gopinath, “Comparison of Thrust Force and Torque in Drilling Composite Materials by Experimental Analytical and Fuzzy Logic”**, Proceeding of the national Conference on Recent Inventions in Dynamic Engineering in (RIDE-2015).

6. **P. Gopinath, “CFD Combustion Analysis of Hydrogen Supplement with Diesel Fuel in CI Engine”**, Proceeding of the national Conference on Computational Fluid Dynamics Applications in Biotechnology Process in (DST-2015).
7. **P. Gopinath, “Failure Analysis in Composite Material Using Lamb wave Methods”**, Proceedings of the ISTE Sponsored National conference on Innovations in Engineering and Technology (NCIET-2017).
8. **P. Gopinath, “Green Manufacturing Analysis in Composite Material”**, Proceedings of the ISTE Sponsored National conference on Innovations in Engineering and Technology (ITME-2017).
9. **P. Gopinath, “Optimization of Mechanical Properties Using Ridge guard, Sisal and Jute Fibres”**, Proceeding of the Project Expo ENTHIRA – 17 Sponsored by SOCIETY OF AEROSPACE AND MECHANICAL PROFESSIONALS (SAMP).
10. **P. Gopinath, “Design and Analysis of Heavy Vehicle Head Light Frame Using Banana Fibre Composite Material.”** Proceeding of the Project Expo ENTHIRA – 17 Sponsored by SOCIETY OF AEROSPACE AND MECHANICAL PROFESSIONALS (SAMP).
11. **P. Gopinath, “Study on Performance Analysis of IC Engine Fins”**, Proceeding of the national Conference on Energy & Environment in (NCONEE-2018).

Books /Instruction materials/monograms published

S.No	Title of the Book	Author(s)	Name & Address of the Publisher	Year of Publishing
1.	Unconventional machining processes	Dr.P.Murugesan Dr.P.Gopinath	M.G.Publications	2016
2.	Basic civil and Mechanical Engineering	Dr.P.Murugesan Dr.P.Gopinath	Anuradha Publications	2017

Funded Research Projects

S.No	Title of the Project	Name of the Funding Agency	Amount Sanctioned (Rs.)	Role
1.	--	--	--	--

Funded Programmes Organized (Seminar/Conference/Workshop/FDP/STTP/Other)

1. Two days National Seminar on “**Consumables through Composites Processing and Preparation**” during 6th January to 7th January 2012. at Kongu Engineering College, Perundurai.
2. Three days Workshop on “**Hands on Training on Modelling and Simulation using MATLAB – Simu link and Soft Tools**” during 14th September to 16th September 2012. At Kongu Engineering College, Perundurai.
3. Two days National Seminar on “**Heat Exchanger and its Applications**”, 8th November & 9th November, 2012 at K S R Institute for Engineering and Technology, Tiruchengode
4. Three days National Symposium on Acoustics “**Design and Analysis of Flexible Carping**”, 5th December to 7th December, 2012 at K S R Institute for Engineering and Technology, Tiruchengode.
5. One day National Seminar on “**Characterization and Applications of Composite Materials**”, 10th March, 2014 at N.S.N College of Engineering and Technology, Karur.
6. One day Seminar on “**Writing Effective Research Paper (S) and Thesis**”, 19th July 2014 at K S R College of Engineering, Tiruchengode.
7. One-week Faculty Development Training Programme on “**ME2036- Production Planning and Control**”, 17th December to 23rd December 2014 at Karpagam College of Engineering, Coimbatore.
8. One day Workshop on “**Composite Materials and its Technology Innovation**”, 22nd July 2015 at Karpagam College of Engineering, Coimbatore.
9. One day Workshop on “**Intelligent Product Design and Manufacturing**”, 24th August 2015 at Karpagam College of Engineering, Coimbatore.
10. One day Workshop on “**Robotics in Industrial Automation (RIA-2015)**”, 20th November 2015 at Karpagam College of Engineering, Coimbatore.
11. One day Workshop on “**Environmental Pollution and Control (EPC-2015)**”, 21st November 2015 at Karpagam College of Engineering, Coimbatore.
12. One day Workshop on “**Safety and Security in Automobiles (SSA-2015)**”, 24th November 2015 at Karpagam College of Engineering, Coimbatore.
13. Two days Workshop on “**Manufacturing Process and Applications of Advanced Composite Materials**”, 14th and 15th February 2017 at Karpagam College of Engineering, Coimbatore.
14. One day International Workshop on “**Writing and Publishing Research Papers in High Impact Factor Journals**” 17th August 2017 at Hindustan College of Engineering and Technology, Coimbatore.
15. One day National Workshop on “**Applications of Mathematical Modelling and Simulation in Engineering Problems**”, 31st August 2017 at Muthayammal Engineering College, Rasipuram.
16. One day National Seminar on “**Human Factors and Ergonomics in Healthcare and Patient Safety**”, 14th September 2017 at Muthayammal Engineering College, Rasipuram.

17. Two days National Seminar on “**Recent Advances in Cryogenics and its Industrial Applications**”, 6th October & 7th October 2017 at Muthayammal Engineering College, Rasipuram.
18. One day Workshop on “**Tips for writing research proposals, journal papers and patent filing**”, 27th February 2018 at K S R Institute for Engineering and Technology, Tiruchengode.
19. One-week Faculty Development Programme on Fundamentals of “**Pedagogy in Engineering education**”, 14th May to 19th May 2018 at Karpagam College of Engineering, Coimbatore.
20. One-week Faculty Development Training Programme on “**ME6701- Power Plant Engineering**”, 4th June to 10th June 2018 at Gnanamani College of Technology, Namakkal.
21. Three days Workshop on “**Instructional and Assessment Characteristics of OBE Framework and Hands on Practices for Designing and Mapping Outcomes**”, 19th November to 21st November 2019 at K S R Institute for Engineering and Technology, Tiruchengode.
22. Three days **Research Conclave** on “**Testing and Evaluation of Mechanical Properties on Jute Fibre Plain Woven Fabric Composite Structures**”, conducted by Teaching Learning Centre, CIT Coimbatore January 2020. RSC ID – 33, Track ID – MS – 429 Dated: 10.01.2020, 2.30PM to 5.00PM.

Consultancy Activities (Industry)

S.No	Title of the Project	Name of the Company
1.		

Training Offered

NIL

Membership in Professional Bodies

- Indian Society for Technical Education (ISTE) - Life Member (LM 42264)

Subject Links

1.Unconventional Machining Process

<https://books.google.co.in/books?id=uC3rHzhogmMC&printsec=frontcover&dq=Unconventional+Machining+Process&hl=en&sa=X&ved=0ahUKEwib6syEwpPZAhWMso8KHWGDBZQQ6AEILjAC#v=onepage&q=Unconventional%20Machining%20Process&f=false>