

CURRICULUM VITAE

Dr. V. C. SATHISH GANDHI, M.E., M.B.A., Ph.D.

Assistant Professor (Sr. Gr.)

Department of Mechanical Engineering

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➤ **Research Area:**

Contact Mechanics, Fracture Mechanics, Modeling and Simulation, Engineering Materials, Nano Coating, Biopolymer Composites, Metal Matrix Composites and Fiber composites.

➤ **Educational Qualifications:**

Qualification	Department	Year Completion	Percentage	Class
M.B.A (Production and Operations Management)	Management Studies (Distance Education)	2022	8.05 [CGPA]	First Class with Distinction
Ph.D	Mechanical Engineering	2013	Date of Viva 12.11.2013	
M.E. (Engineering Design)	Mechanical Engineering	2004	74.00	First
B.E.	Mechanical Engineering	2000	69.67	First
Diploma	Mechanical Engineering	1996	74.83	First
SSLC	-	1993	76.60	First

➤ **Experience:**

Name of the Institution/ University	Designation	Period		Experience	
		From	To	Years	Months
Maharaja Polytechnic, Tirupur, Tamilnadu.	Lecturer	10.11.2000	01.04.2001	-	5
Maharaja Engineering College, Tirupur, Tamilnadu.	Lecturer	02.04.2001	21.05.2003	2	2

Name of the Institution/ University	Designation	Period	Experience	Experience	
		From	To	Years	Months
M. Kumarasamy College of Engineering, Karur, Tamilnadu.	Lecturer	07.06.2004	14.07.2004	-	1
Adhiyamaan College of Engineering (Autonomous), Hosur, Tamilnadu.	Lecture	19.07.2004	30.06.2007	3	10
	Senior Lecturer	01.07.2007	10.05.2010	2	
Knowledge Institute of Technology, Salem, Tamilnadu.	Assistant Professor	02.06.2010	21.08.2010	-	2
University College of Engineering Nagercoil (A Constituent College of Anna University, Chennai) Tamilnadu.	Assistant Professor	23.08.2010	22.08.2014	04	-
	Assistant Professor (Sr. Gr.)	23.08.2014	26.07.2023	08	11
University College of Engineering Tiruchirappalli, BIT Campus, Anna University, Tiruchirappalli, Tamilnadu.	Assistant Professor (Sr. Gr.)	27.07.2023	Till Date		

➤ **Awards / Honours Received: 04 Nos.**

S. No.	Organization	Category	Year
1	ASDF Global Award	Best Academic Researcher	2015
2	PEARL Foundation - Educational Excellence Awards	Best Assistant Professor Award in Mechanical Engineering	2016
3	Golden AIM Award	Most Active Training and Placement officer	2020
4	Tamilzhini Pulanam	Best Teacher	2020

➤ **Additional / Academic Responsibilities at University: 05 Nos.**

S. No.	Particulars	Position
1	University College of Engineering Nagercoil, Department of Mechanical Engineering Students Association (From 01.01.2016 to 24.07.2023)	Faculty In-charge
2	Indian Institute of Remote Sensing (IIRS), Dehardun Outreach Programme (July 2020 - July 2023)	Institute Co-ordinator
3	University College of Engineering Nagercoil (From 05.03.2018 to 24.07.2023)	Training and Placement Officer
4	Naan Mudhalvan Scheme - Initiated by Tamilnadu Government (From 01.09.2023 to 24.07.2024)	Single Point of Contact @ UCE Nagercoil (SPOC)
5	SC/ST Cell, Anna University, Chennai (From 15.02.2022 to Till Date)	Deputy Nodal Officer
6	University College of Engineering Tiruchirappalli, BIT Campus, Anna University, Tiruchirappalli (From 27.07.2023 to Till Date)	Department Placement Coordinator
7	University College of Engineering Tiruchirappalli, BIT Campus, Anna University, Tiruchirappalli (From 06.09.2024 to Till Date)	Anti Drug Club Member

➤ **Membership of Scientific and Professional Societies: 02 Nos.**

S. No.	Name of the Professional Body	Membership Number
1	Indian Society for Technical Education	LM 67193
2	International Association of Engineers (IAENG)	105569

➤ **Fellowships and Grants:**

(i) Grants Received: 05 Nos.

S. No.	Name of the Coordinators	Name of the Programme	Grants received (Rs.)	Funding agencies
1	Dr. V. A. Nagarajan Dr. V. C. Sathish Gandhi	Faculty Development Training Programme on "GE 6152 - Engineering Graphics" 23 rd to 29 th June, 2014 at UCE Nagercoil	90,000	Anna University, Chennai

S. No.	Name of the Coordinators	Name of the Programme	Grants received (Rs.)	Funding agencies
2	Dr. V. A. Nagarajan Dr. V. C. Sathish Gandhi	Faculty Development Training Programme on "GE 6152 - Engineering Graphics" 06 th to 12 th June, 2016, UCE Nagercoil	80,000	Anna University, Chennai
3	Dr. V. A. Nagarajan Dr. V. C. Sathish Gandhi	Faculty Development Training Programme on "GE 8292 - Engineering Mechanics" 18 th to 24 th December, 2017 at UCE Nagercoil	80,000	Anna University, Chennai
4	Dr. V. C. Sathish Gandhi Dr. V. A. Nagarajan	Faculty Development Training Programme on "GE 8152 - Engineering Graphics" 01 st to 07 th September, 2021 at UCE Nagercoil	30,000	Anna University, Chennai
5	Prof. Dr. T. Sree Renga Raja Dr. V. C. Sathish Gandhi	Six - Day Programme on "Science & Technology Capacity building for Industrial needs" (2019 - 2020) 24 to 30 th March, 2022 at UCE Nagercoil	1,50,000	Tamilnadu State Council for Science and Technology

➤ **Completed B.E/M.E Projects:**

- Number of ME Projects Completed: **05 Nos.**
- Number of BE Projects Completed: **34 (Batches)**

➤ **PhD Research Projects (Completed):** **03 Nos.**

S. No.	Name of the Scholar	Title of the Thesis	Month and Year of Registration	Viva Date
1	S. Manoj Reg. No. 1415289744	Experimental Investigation and Performance Analysis of Inserts Coated With Nano Materials in Turning Operation	July 2014	08.03.2019

S. No.	Name of the Scholar	Title of the Thesis	Month and Year of Registration	Viva Date
2	I. Jenish Reg. No. 1414289834	Experimental Investigations and Characteristic Studies on Cissus Quadrangularis Stem Fiber Reinforced Epoxy Composite Materials With and Without Filler	July 2014	30.12.2021
3	N. Sree Raman Reg. No. 1515259754	Coconut Shell Powder and Palm Kernel Shell Powder With Resin Reinforced Biopolymer Composites	July 2015	07.10.2022

➤ **PhD Research Projects (Ongoing): 01 Nos.**

S. No.	Name of the Scholar	Title of the Thesis	Month and Year of Registration	Status
1	D. Manikandan Reg. No. 20132891142	An investigation of the performance characteristics of hybrid fillers reinforced vinyl ester composites	January 2020	Synopsis Submitted

➤ **Publications:**

a. Books: 03 Nos.

S. No.	Name of the Author's	Name of the Book With ISBN Number	Year of Published	Name of the Publisher
1	Dr. V. C. Sathish Gandhi Dr. R. Kumaravelan Dr. S. Manoj	Thermal Engineering - I ISBN: 978-93-89878-33-2	2021	Sri Krishna HiTech Publication, Chennai.
2	Dr. V. C. Sathish Gandhi Dr. R. Kumaravelan Mr. T. Bramel Ayya	Thermal Engineering ISBN: 978-93-93808-16-5	2023	Sri Krishna HiTech Publication, Chennai.
3	Dr. V. C. Sathish Gandhi Dr. R. Kumaravelan	Engineering Thermodynamics ISBN: 978-81-19432-11-0	2023	Sri Krishna HiTech Publication, Chennai.

b. International Journals: 34 Nos.

1. **V. C. Sathish Gandhi**, S. Ramesh, R. Kumaravelan, (2012) "Analysis of elastic-plastic contact performance of rigid sphere against a deformable flat-effect of strain hardness", American Journal of Applied Sciences, vol. 9(2), pp. 240-245. ISSN: 1546-9239, DOI: [10.3844/ajassp.2012.240.245](https://doi.org/10.3844/ajassp.2012.240.245)
2. **V. C. Sathish Gandhi**, S. Ramesh, R. Kumaravelan, M. Thanmanaselvi, (2012) "Contact analysis of spherical ball and a deformable flat model with the effect of tangent modulus", Structural Engineering and Mechanics, An International Journal, vol.44(1), pp. 61-72. ISSN: 1225-4568, DOI: <https://doi.org/10.12989/sem.2012.44.1.061> **(SCI - Journal, Impact Factor: 2.2)**
3. R. Kumaravelan, S. Ramesh, **V. C. Sathish Gandhi**, M. Joemax Agu, (2013) "Analysis of multi leaf spring based on contact mechanics - a novel approach", Structural Engineering and Mechanics, An International Journal, vol.47(3), pp. 443-454. ISSN: 1225-4568, DOI: <https://doi.org/10.12989/sem.2013.47.3.443> **(SCI - Journal, Impact Factor: 2.2)**
4. D. Kumaran, M. Rajendran, R. Kumaravelan, **V. C. Sathish Gandhi**, (2013) "Testing of three-fuel mixture in a four-stroke single cylinder direct injection diesel engine", Transactions of FAMENA, vol. 37(3), pp. 75-86. ISSN: 1333-1124, url: <https://hrcak.srce.hr/111270> **(SCI - Journal, Impact Factor: 0.797)**
5. R. Kumaravelan, P. Tamilselvam, **V. C. Sathish Gandhi**, S. Ramesh, (2013) "Analysis of contact parameters in the sphere and flat contact model by flattening approach", Oxidation Communication, vol. 36 (4), pp.1202-1216, ISSN: 0209-4541. DOI: <https://scibulcom.net/en/article/Bzxw7yXXr5D8oV3YGh4A> **(SCI - Journal, Impact Factor: 0.489)**
6. **V. C. Sathish Gandhi**, R. Kumaravelan, S. Ramesh, M. Venkatesan, M. Ponraj, (2014) "Performance Analysis of Motor Cycle Helmet under Static and Dynamic Loading", Mechanics and Mechanical Engineering - An International Journal, vol. 18 (2), pp. 85-96. ISSN: 14281511. **(Scopus)**
7. R. Kumaravelan, **V. C. Sathish Gandhi**, S. Ramesh, M. Venkatesan, (2014) "Rapid Prototyping applications in various field of Engineering and Technology", World Academy of Science, Engineering and Technology, International Science Index

- 87, International Journal of Mechanical, Industrial Science and Engineering, vol. 8(3), pp. 108-112. ISSN: 2010-376X. **(Scopus)**
8. **V. C. Sathish Gandhi**, R. Kumaravelan, S. Ramesh, M. Venkatesan, M. Siva Rama Krishnan, (2014) "An aerodynamic design and analysis of motor cycle helmet with anti-glare visor", Technical Journal, Vol. 8 (1), pp. 97-101. ISSN: 1846-6168. **(Scopus)**
 9. **V. C. Sathish Gandhi**, R. Kumaravelan, S. Ramesh, M. Joemax Agu, (2014) "Performance analysis of leaf spring by contact mechanics approach based on the nature of material properties", Transactions of FAMENA, vol. 38 (1), pp. 87- 96. ISSN: 1333-1124, url: <https://hrcak.srce.hr/120159> **(SCI - Journal, Impact factor: 0.797)**
 10. **V. C. Sathish Gandhi**, R. Kumaravelan, S. Ramesh, (2014) "Performance analysis of spherical indentation process during loading and unloading- a contact mechanics approach", Structural Engineering and Mechanics, An International Journal, vol. 52 (3), pp. 469 - 483. ISSN: 1225-4568, DOI: [10.12989/sem.2014.52.3.469](https://doi.org/10.12989/sem.2014.52.3.469) **(SCI - Journal, Impact factor: 2.2)**
 11. **V. C. Sathish Gandhi**, R. Kumaravelan, S. Ramesh, M. Thanmanaselvi, K. Sriram, (2014) "Performance Analysis of Wheel and Rail Contact by Nature of Material Characteristics - a Contact Mechanics Approach", Mechanics and Mechanical Engineering - An International Journal, vol. 18 (1), pp. 11-24. ISSN: 1428-1511. **(Scopus)**
 12. P. Arul Franco, N. Shenbagavinayagamoorathi, **V. C. Sathish Gandhi**, (2014) "Performance and Emission Study of Sardine Fish Oil Biodiesel in a Diesel Engine", Oxidation Communication, vol.37 (3), pp. 802-816, ISSN: 0209-4541 **(SCI - Journal, Impact factor: 0.489)**
 13. **V. C. Sathish Gandhi**, R. Kumaravelan, S. Ramesh, K. Naveen Kumar, S. Chinnaiah, (2014) "Design and Analysis of Quad Acting Reciprocating Pump - A Novel Approach", International Journal for Engineering Modelling, vol. 27 (3-4), pp. 125-130, ISSN: 1330-1365. **(Scopus)**
 14. **V. C. Sathish Gandhi**, R. Kumaravelan, S. Ramesh, K. Sriram, (2015) "Analysis of material dependency in an elastic - plastic contact models using contact mechanics approach", Structural Engineering and Mechanics, An International Journal, vol. 53

- (5), pp.1051 - 1066. ISSN: 1225 - 4568, [DOI: 10.12989/sem.2015.53.5.1051](https://doi.org/10.12989/sem.2015.53.5.1051) (**SCI - Journal, Impact Factor: 2.2**)
15. M. Venkatesan, **V. C. Sathish Gandhi**, E. Janarthan, (2015) "Performance analysis of composite leaf spring in a defence sumo vehicle", Journal of Engineering Science and Technology, vol. 10 (5), pp. 680 - 691, ISSN: 1823-4690. (**Scopus**)
16. N. Sreeraman, **V. C. Sathish Gandhi**, T. Surendiran, (2015) "Performance analysis of bio-polymer composites", International Journal of ChemTech Research, vol. 8 (1), pp.261 - 264, ISSN: 0974-4290. (**Scopus**)
17. **V. C. Sathish Gandhi**, T. Surendiran, S. Thamilmanni, P. Puthiyavan, M. Sekar (2015) "Analysis of thermal comfort in a prototype residential model building - A Novel PCM Composites", International Journal of ChemTech Research, vol. 8 (1), pp. 265 - 270, ISSN: 0974-4290. (**Scopus**)
18. M. Venkatesan, N. S. V. Moorthi, A. Manivannan, R. Karthikeyan, **V. C. Sathish Gandhi** (2015) "Experimental investigation on hydrous methanol fueled HCCI engine using Spark assisted method", International Journal of Engineering, Transactions A: Basics, vol. 28 (7), pp. 1099 - 1107. ISSN: 1025-2495. (**Scopus**)
19. N. Mathiazhagan, T. Senthil Kumar, V. Balasubramanian, **V. C. Sathish Gandhi** (2015)" Performance study of medium carbon steel and austenitic stainless steel joints: friction welding process", Oxidation Communication, vol. 38(4A), pp. 2123 - 2134. ISSN: 0209-4541. (**SCI - Journal, Impact factor: 0.489**)
20. N. Sreeraman, **V. C. Sathish Gandhi**, A. Arun Subash, N. Marimuthu (2016) "Experimental Study of Biopolymer Nano Composite for Engineering Applications, International Journal of Innovative Research in Science, Engineering and Technology, vol. 5(8), pp. 186 -189. ISSN: 2347-6710.
21. S. Manoj and **V. C. Sathish Gandhi** (2018) "Investigation of a tool and workpiece machined using a nickel nano coated insert" Materials and technology, vol. 52 (2), pp. 171 – 175. ISSN: 1580-2949 (**SCI - Journal, Impact factor: 0.590**)
22. S. Manoj, **V. C. Sathish Gandhi**, V. Sheldhon, R.G. Srinivasan, S. Subramaniam, S. Syed Abbaz (2018) "A review on investigation of coated insert and prediction of MRR

- in turning operation", International Journal of Engineering, Science and Mathematics, vol. 7(4), pp. 304 - 313. ISSN: 2320-0294.
23. S. Manoj, **V. C. Sathish Gandhi**, K. Vigneshwaran, M. Rajkumar, S. Niranjana (2018) "A review on optimization of process parameters using artificial neural network, International Journal of Engineering, Science and Mathematics, vol. 7(4), pp. 345 - 361. ISSN: 2320-0294.
 24. D. Sivanesan, U. Natarajan and **V. C. Sathish Gandhi** (2018) "Experimental and finite element studies of a soft robot finger material - a contact mechanics approach", Transactions of FAMENA, vol. 42 (4), pp. 75 - 84. ISSN: 1333-1124. **(SCI - Journal, Impact Factor: 0.797)**
 25. D. Logendran, **V.C. Sathish Gandhi**, R. Kumaravelan, S. Manoj (2020) "Analysis of Elastic and Elasto-Plastic Behaviour of A588 Structural Steel Beam", International Journal of Mechanics and Design, vol. 6 (2), pp. 1 - 16. ISSN: 2582-2896.
 26. I. Jenish, **V. C. Sathish Gandhi**, S. Basavarajappan, S. Indrana, D. Divya, Y. Liue, M. R Sanjay and S. Siengchin (2020) "Tribo-Mechanical characterization of carbonized coconut shell micro particle reinforced with Cissus quadrangularis stem fiber/ epoxy novel composite for structural application", Journal of Natural Fibers, vol. 19 (8) pp. 2963-2979. ISSN No: 1544-0478, DOI:[10.1080/15440478.2020.1838988](https://doi.org/10.1080/15440478.2020.1838988) **(SCI - Journal , Impact Factor: 3.5)**
 27. I. Jenish, **V. C. Sathish Gandhi**, R. Edwin Raj, S. Basavarajappa, S. Indran, D. Divya, and R. Kumaravelan (2020) "A New Study on Tribological Performance of Cissus Quadrangularis Stem Fiber/Epoxy with Red Mud Filler Composite", Journal of Natural Fibers, vol. 19 (9), pp. 3502-3516. ISSN No: 1544-0478. DOI: [10.1080/15440478.2020.1848709](https://doi.org/10.1080/15440478.2020.1848709) **(SCI - Journal, Impact Factor: 3.5)**
 28. I. Jenish, **V. C. Sathish Gandhi**, S. Indrana, G. Rajeshkumar (2021) "Sustainable Development of Cissus Quadrangularis Stem Fiber/epoxy Composite on Abrasive Wear Rate", Journal of Natural Fibers, vol. 18 (14), pp. 9283-9295. ISSN No: 1544-0478, DOI: [10.1080/15440478.2021.1982819](https://doi.org/10.1080/15440478.2021.1982819) **(SCI - Journal, Impact Factor: 3.5).**
 29. **V. C. Sathish Gandhi**, I. Jenish, S. Indrana, D. Yugendra Rajan (2022) "Mechanical and Thermal Analysis of Cissus Quadrangularis Stem Fiber/Epoxy Composite with

Micro-Red Mud Filler Composite for Structural Application", Transactions of the Indian Institute of Metals, vol. 75 (3), pp. 737 - 747. ISSN: 0972-2815, DOI: [10.1007/s12666-021-02478-1](https://doi.org/10.1007/s12666-021-02478-1) **(SCI - Journal, Impact Factor: 1.499)**

30. N. Sreeraman, **V. C. Sathish Gandhi**, T. Surendiran, R. Kumaravelan (2022) "Mechanical, thermal, and morphological behaviour studies on coconut shell and palm kernel filler biocomposite", *Maderas. Ciencia y tecnología* 2022 (24): 14, pp.1-14. ISSN: 0717-3644, DOI: <https://doi.org/10.4067/s0718-221x2022000100414> **(SCI - Journal, Impact Factor: 1.64)**
31. Manikandan D, **Sathish Gandhi V C**, Kumaravelan R, Vignesh V. (2024) "Effect of hybrid filler loading (Polyalthia longifolia seed and graphite) on the mechanical and thermal properties of vinyl ester composites", *Polym Compos.*, 45, pp. 6318 - 6331, ISSN:0272-8397. DOI: <https://doi.org/10.1002/pc.28199> **(SCI - Journal, Impact factor: 3.531)**
32. **V. C. Sathish Gandhi**, N. Sreeraman, T. Surendiran, R. Kumaravelan (2024) "Enhancing sustainability in construction: Investigating starch/clay composites for green material development", *Biomass Conv. Bioref.*, ISSN: 2190-6815. DOI: <https://doi.org/10.1007/s13399-024-05845-2> **(SCI - Journal, Impact factor: 3.5)**
33. **Sathish Gandhi, V.C.**, Manikandan, D., Kumaravelan, R., Surendiran, T. (2024) "Effects of date seed and graphite fillers on the mechanical and thermal properties of vinyl ester matrix composites. *Iran Polym J.*, ISSN: 1026-1265. DOI: <https://doi.org/10.1007/s13726-024-01383-w> **(SCI - Journal, Impact factor: 2.4)**
34. **V. C. Sathish Gandhi**, N. Sreeraman, I. Jenish, R. Kumaravelan (2024) "Investigating Tensile, Flexural, Impact, and Morphological Characteristics of Agro-Waste-Based Cissus Quadrangularis Fiber /Banana Fiber reinforced Polymer Composites", *Mechanics of Composite Materials*, ISSN: 0191-5665 **(SCI - Journal, Impact factor: 1.5) - Accepted for Publication**

c. National Journals: 01 No.

1. **V. C. Sathish Gandhi**, S. Ramesh and R. Kumaravelan, (2012) "Evaluation of contact parameters of Structural rigid sphere and a deformable flat contact model with considering strain hardness effect", *Journal of Engineering and Technology*, vol. 2(2), pp. 97-103, ISSN: 0976-8580.

➤ **Patents: 01 No.**

S. No.	Name(s) of the applicant/ Inventors	Title of the Patents(Utilit y/ Design)	Appl./ Design No.	Filing Date	Status (filed/FER /Granted)
1	Dr. V. C. Sathish Gandhi Dr. R. Kumaravelan, Ajith B S, Dr. Reema Mathew A, Pedada Kameswara Rao and Venkata L N Sastry D	A System for Quality Monitoring and Management of Water in Stored Conditions Thereof	202241040827	18.07.2022	Filed

➤ **Sponsored Research Projects: 01 No.**

S. No.	Name of the project	Funding agency	Project value (Rs.)	Duration	Status
1	Research Project (Date of Sanctioned: 23.03.2021)	LA - Foundation, Mumbai	4.5 Lakhs	One Year	Completed

➤ **Consultancy Activities: 01 No.**

S. No.	Name of the work	Role (PI/Co PI)	Agency	Amount	Duration
1	Third Part Inspection of Vehicles (Tipper Auto)	Co - PI	Nagercoil City Municipal Corporation	84 Lakhs	Two Months (Status: Completed)

➤ **List of Seminar / Short Term Course /FDP/ Workshop organized: 03 Nos.**

1. As a Co-ordinator conducted the One day workshop on "*Research Scopes in Contact Mechanics and Composite Materials*" on 29th January, 2016 at University College of Engineering (A Constituent College of Anna University, Chennai), Konam, Nagercoil, Tamilnadu, India.

2. As a Co-ordinator conducted the two days workshop on "*Advances in Materials, Manufacturing and Propulsion*" jointly with IPRC/ ISRO, Mahendragiri, Tirunelveli on 19th and 20th February 2018 at University College of Engineering (A Constituent College of Anna University, Chennai), Konam, Nagercoil, Tamilnadu, India.
3. As a Co-ordinator conducted the Two Weeks "Students Induction Programme 2024" for First Year Mechanical Engineering Students at University College of Engineering Tiruchirappalli, BIT Campus, Anna University, Tiruchirappalli from 04th to 16th September, 2024.

➤ **List of Seminar/Short Term Course/FDP/Workshop/Industrial Training attended:**

(i) Workshop Attended: 07 Nos.

1. Two Day Workshop on "Structural Analysis Using Ansys", Department of Mechatronics Engineering, Kongu Engineering College, (Autonomous), Erode, Tamilnadu on 3rd and 4th December, 2010.
2. Two Day Workshop on "Pursuing Effective Research in Mechanical Engineering", Department of Mechanical Engineering, Knowledge Institute of Technology, Salem, Tamilnadu on 18th and 19th November, 2011.
3. Two Day Workshop on "Rapid Prototyping and Tooling Techniques", Department of Production Engineering, National Institute of Technology, Tiruchirappalli on 8th and 9th March, 2013.
4. Two Week Workshop on "Engineering Mechanics" conducted by IIT - Bombay sponsored under MHRD - Govt. of India at Regional centre, Anna University, Tirunelveli Region from 25th November to 5th December, 2013.
5. Two Week Workshop on "Fluid Mechanics" conducted by IIT - Kharagpur sponsored under MHRD - Govt. of India at Regional centre, Anna University, Tirunelveli Region from 20th to 30th May, 2014.
6. One day National Workshop on "Recent Trends in Optimization", Department of Mechanical Engineering, University College of Engineering Nagercoil, Kanyakumari on 10th December, 2015.

7. One day International Workshop on "Emerging Trends in Energy Research", Department of Mechanical Engineering, University College of Engineering Nagercoil, Kanyakumari on 06th April, 2016.

(ii) Industrial Training Program Attended: 03 Nos.

1. Two week Industrial Training (Online) Program on "Industrial Training on 3D Printing/Additive Manufacturing" conducted by National Institute of Electronics and Information Technology, Calicut from 19th January 2022 to 01st February, 2022.
2. Two week Industrial Training at Tamilnadu Cement Factory (TANCEM), Ariyalur from 11th to 24th March, 2022.
3. Two week Industrial Training at Tamilnadu State Transport Corporation (Tirunelveli) Ltd, Nagercoil Region at Nagercoil from 01st July to 14th July, 2022.

(iii) Short Term Courses Participated: 01 No.

1. A short term course on "Micro - Manufacturing" at Department of Production Engineering, National Institute of Technology, Tiruchirappalli on 14th and 15th March, 2014.

(iv) Faculty Development Training Program Attended: 10 Nos.

1. FDP on "ME 2303 - Design of Machine Elements" at Kongu Engineering College, Erode conducted by Centre for Faculty Development, Anna University, Chennai on 3rd to 9th June, 2013.
2. FDP on "GE 6253 - Engineering Mechanics" at University College of Engineering Dindigul, conducted by Centre for Faculty Development, Anna University, Chennai on 18th to 24th December, 2013.
3. Two Week Faculty Development Training Programme on "Thermal Engineering Applications for Sustainable Improvement" conducted by University College of Engineering Trichy (BIT - Campus) from 15th to 28th June, 2015.
4. One Week Faculty Development Training Programme on "ME 6404 - Thermal Engineering" at University College of Engineering Villupuram, conducted by Centre for Faculty Development, Anna University, Chennai on 14th to 20th December, 2015.

5. One Week Faculty Development Training Programme on " ME 6007 - Composite Materials and Mechanics" at University College of Engineering Villupuram, conducted by Centre for Faculty Development, Anna University, Chennai on 24th to 30th May, 2017.
6. Two Week AICTE approved Faculty Development Programme (FDP101x) - Foundation Program in ICT for Education conducted by IIT - Bombay from 08th March to 12th April, 2018.
7. Two-Week AICTE approved Faculty Development Programme on (FDP201x) - Pedagogy for Online and Blended Teaching-Learning Process" conducted by IIT - Bombay from 03th to 30th May, 2018.
8. Three day Faculty Development Programme on "Fusion 360" conducted by Autodesk at University College of Engineering Nagercoil from 07th to 09th January, 2019.
9. Three weeks training program for faculty members on AICTE Student Learning Assessment - STTP - PARAKH in collaboration with Construction Industry Development Council (CIDC) from 22nd Nov, 2021 to 19th Dec, 2021.
10. One Week Faculty Development Training Programme on "AI and ML Fundamentals with Cloud Computing and Gen AI" at Anna University Regional Center, Madurai, conducted by Tamilnadu Skill Development Corporation Tamilnadu under Naan Mudhalvan Scheme, from 29th July to 03rd August, 2024.

➤ **National / International Conferences organized / Participated:**

(i) International Conferences Participated: 11 Nos.

1. **V. C. Sathish Gandhi** and R. Marappan, (2010) "A finite element based study of stress distribution and strain in a hemisphere contact against a rigid flat with considering nature of material", Proc. Int. Conference on recent advancement in Mechanical Engineering, Noorul Islam University, Nagercoil, Tamilnadu, India, April 2010. vol. (1), pp. 444 - 450, ISBN 978-81-90791-8-6.
2. P. Tamil Selvam, H. Imdad Ahmed, S. Naveen Kumar, R. Kumaravelan, **V. C. Sathish Gandhi**, (2014), "Design And Development of Modified Air Cooler Cum StorageSystem", International Conference on Advances in Design &

Manufacturing 2014, at NIT - Trichy, Tamilnadu, India, December 2014, vol. 4, pp. 1797 - 1801, ISBN 978-93-84743-19-2.

3. S. Manoj, **V. C. Sathish Gandhi**, R. Kumaravelan, S. Rajasekaran, (2015), " Analysis of Residual Stress in the Machined Workpiece: Unloading Condition of Cutting Tool", International Conference on Advances in Mechanical Engineering", at University College of Engineering Villupuram, Tamilnadu, India, 15th and 16th October 2015, vol. 2, pp. 741-745, ISBN 978-93-85477-29-4.
4. **Sathish Gandhi, V.C.**, Kumaravelan, R., Ramesh, S., Venkatesan, M. (2017). Computational Study of Coil Helical Spring: Automobile Clutch. In: Deiva Sundari, P., Dash, S., Das, S., Panigrahi, B. (eds) Proceedings of 2nd International Conference on Intelligent Computing and Applications. Advances in Intelligent Systems and Computing, vol. 467, PP. 523-540, Springer, Singapore. https://doi.org/10.1007/978-981-10-1645-5_44, ISSN: 978-981-10-1644-8
5. C. Chenthil Kumar, **V. C. Sathish Gandhi**, R. Kumaravelan, S. Ramesh (2016), "Study of geometrical parameters of long rectangular membrane in adhesive contact", International conference on mechanical and building sciences (ICMBS 2016), at SNS College of Technology, Coimbatore, Tamilnadu, India, 23rd and 24th March 2016. Pp. 410-416. ISBN 978-93-85477-78-2
6. N. Sreeraman, **V. C. Sathish Gandhi**, T. Surendiran, V. Manikandan (2017), "Mechanical Study of Biomass Polymer" International Conference on Innovations in Engineering, Technology and Science (ICIETS 2017) at K. Ramakrishnan College of Engineering, Tiruchirappalli, Tamilnadu, India, 24th February 2017.
7. N. Sreeraman, **V. C. Sathish Gandhi**, T. Surendiran (2017) "Mechanical and Biodegradable Properties of Chitosan-Nano Clay Composites" International Conference (ICONNECT- 2K17) at K. Ramakrishnan College of Technology, Trichy, Tamilnadu, India, 28th and 29th March, 2017.
8. C. Aravind Surya, V. Athithan, V. Bhuvnesh , V.Hemanth Kumar, S. Manoj, **V. C. Sathish Gandhi** (2017) "A Review on Optimization of Process Parameters in Turning Operation Carried out by Coated Insert", International Conference on Engineering, Energy & Environment (ICEEE) at TRP Engineering College (SRM Group), Trichy, Tamilnadu, India, 31th March - 2nd April, 2017.

9. M. Pradeep, R. Rajeshkannan, A. Ramesh, S. Robin, S. Manoj, **V. C. Sathish Gandhi** (2017) "Reduction of Wear in Cemented Carbide Inserts By Coating Process – A Review", International Conference on Engineering, Energy & Environment (ICEEE) at TRP Engineering College (SRM Group), Trichy, Tamilnadu, India, 31th March - 2nd April, 2017.
10. **V. C. Sathish Gandhi** (2023) "Process Parameter Optimization of Electro Chemical Discharge Machining of Borosilicate Glass Using Grey Relational Analysis and Fuzzy TOPSIS" in the Fifth International Conference on Recent Advances in Materials and Manufacturing (ICRAMM 2023) organized by the Department of Mechanical Engineering, Velalar College of Engineering and Technology, Erode, Tamil Nadu, India held during 29 - 30, December 2023.
11. **V. C. Sathish Gandhi** (2023) "Experimental study on fly ash based glass fiber foam concrete" in the Fifth International Conference on Recent Advances in Materials and Manufacturing (ICRAMM 2023) organized by the Department of Mechanical Engineering, Velalar College of Engineering and Technology, Erode, Tamil Nadu, India held during 29 - 30, December 2023.

(ii) National Conference Participated: 06 Nos.

1. **V. C. Sathish Gandhi**, R. Kumaravelan, P. K. Muthusamy, (2004) "Computer aided analysis of oil lubricated journal bearing" National Conference on Global technologies in manufacturing and thermal sciences, Sethu Institute of Technology, Virudhunagar, Tamilnadu on 9th and 10th July 2004.
2. **V. C. Sathish Gandhi** and T. Ramesh Kumar, (2006) "Rapid Prototyping technologies and benefits" National Conference on Applications of advance quality methods in Engineering and Technology, Erode Sengunthur Engineering College, Erode on 23rd and 24th February 2006.
3. **V. C. Sathish Gandhi** and T. Ramesh Kumar, (2008) "Failure analysis of angular contact ball bearing in bar peeling machine" National Conference on applications of FEM in Mechanical Engineering, The Oxford College of Engineering, Bangalore on 24th and 25th March 2008.
4. **V. C. Sathish Gandhi** and R. Marappan, (2009) "Theoretical investigation of contact mechanics models considering material hardness" National Conference on recent

trends in Mechanical Engineering, Pavaai Engineering College, Namakkal on 24th and 25th April 2009.

5. S. Sathish kumar, **V. C. Sathish Gandhi**, V. Sambath kumar, E. Vigneshwaran, (2015), "Residual Stress Analysis of Functionally Graded Material During Sintering Process Under Various Cooling Rate", National Conference on Research Trends in Mechanical Engineering, Sri Ramakrishna Engineering College, Coimbatore, on 15th April 2015, vol. 1, pp. 119-125. ISBN 978-93-84743-7 1-0
6. M. Venkatesan, **V. C. Sathish Gandhi**, R. Kumaravelan, S. Ramesh, (2016), "Experimental study of cooling effect of photovoltaics cells", National Conference on Advanced Research and Innovation in Mechanical Engineering, KCG College of Technology, Chennai, 22nd and 23rd April, 2016.

➤ **Professional recognitions:**

(i) Editorial/ Reviewer: 04 Nos.

S. No.	Name of the Journal	Position
1	International Journal for Mechanics and Design	Editorial Board Member
2	Medicon Engineering Themes	Editorial Board Member
3	Journal of Engineering Science and Technology	Reviewer
4	International Journal of Research in Engineering and Technology	Reviewer

(ii) Invited/ Guest Lecturer Talk: 12 Nos.

1. Acted as resource person and delivered a lecture entitled "Scales and Perspective Projection" on 28th June, 2014 for Engineering College faculty members in the Faculty Development Training Programme on "GE 6152 - Engineering Graphics" sponsored by Centre for Faculty Development, Anna University, Chennai - 25, from 23rd to 29th June, 2014 at University College of Engineering (Anna University Constituent College), Konam, Nagercoil, Tamilnadu, India
2. Acted as resource person and delivered a lecture entitled "Vectorial representation of forces and Velocity & Acceleration Analysis" on 18th December, 2014 for Engineering

College faculty members in the Faculty Development Training Programme on "GE 6253 - Engineering Mechanics" held at University College of Engineering Dindigul, (Anna University Constituent College), conducted by Centre for Faculty Development, Anna University, Chennai on 12th to 18th December, 2014.

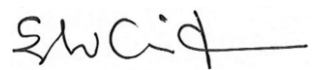
3. Acted as resource person and delivered a lecture entitled "Composite Material Testing Methods & FEA" on 20th February, 2016 for Research Scholars in the Two Days Workshop on "Fabrication and Testing of Composite materials and its research opportunities" held at Kumaraguru College of Technology (Autonomous), Coimbatore conducted by Department of Mechanical and Aeronautical Engineering on 19th and 20th February, 2016.
4. A key note speaker and a member of jury panel delivered a speech entitled "Composite Material" on 5th March 2016, in the National Level Student's Technical Symposium conducted by Department of Mechanical Engineering, Velalar College of Engineering and Technology, Erode held on 5th March, 2016.
5. Acted as resource person and delivered a lecture entitled "Scales and Perspective Projection" on 08th June, 2016 for Engineering College faculty members in the Faculty Development Training Programme on "GE 6152 - Engineering Graphics" sponsored by Centre for Faculty Development, Anna University, Chennai - 25, from 06th to 12th June, 2016 at University College of Engineering (Anna University Constituent College), Konam, Nagercoil, Tamilnadu, India
6. Acted as resource person and delivered a lecture entitled "Processing of Composite Material & FEA" on 26th September, 2016 for Research Scholars and Faculties in One Week Workshop on "Emerging Trends in Manufacturing Technology" held at National Institute of Technology - Trichy, conducted by Department of Production Engineering on 26th September - 01st October, 2016.
7. Acted as resource person and delivered a special talk entitled "Opportunities available in Professional Education" on 25th April, 2018 for Higher secondary students on "TARUNOTSAVA - 2018" programme held at Kendriya Vidyalaya, Nagercoil.

8. Acted as resource person and delivered an invited talk in virtual workshop entitled "Mechanical Vibration" on 26th May, 2020 at Adhiyamaan College of Engineering, Hosur, Krishnagiri.
9. Acted as resource person and delivered an invited talk in Webinar entitled "Design of Transmission Systems" on 03rd and 04th June, 2020 at MRC Engineering College, Ariyalur.
10. Acted as resource person and delivered a lecture entitle "3D/ Additive Manufacturing" in one week virtual Faculty Development Programme on "Recent Advances and Applications in Mechanical Engineering" at SRM TRP Engineering College, Trichy on 02nd March, 2022.
11. Acted as resource person and delivered a lecture entitle "3D Printing and Research Scope" in one week virtual Faculty Development Programme on "Recent Advances and Application of Digital Manufacturing and Automation" at SRM TRP Engineering College, Trichy on 04th December, 2023.
12. Acted as resource person and delivered a lecture entitle "Additive Manufacturing" in one week virtual Faculty Development Training Programme, Sponsored by Anna University Chennai at University College of Engineering Nagercoil on 26th June, 2024.

DECLARATION

I certify that the information furnished above is correct and true to the best of my knowledge and belief.

Date : 07.10.2024
Place : Tiruchirappalli


Signature of the Faculty member
(Dr. V. C. Sathish Gandhi)