

FACULTY PROFILE



1. Name : **Dr. S. SENTHIL**
2. Phone No. & E-Mail : **9894471176 (Mobile)**
itsenthil@yahoo.com
hodmech@kamarajengg.edu.in
3. Date of Birth : **08.05.1976**
4. Qualification and Expérience : **M.E., Ph.D.**

S. No.	Degree	College & University	Month & Year of Passing
1	B.E. (Mechanical Engg)	A.K.College of Engg	April 1997
2	M.E(Industrial Engg)	Thiagarajar College of Engineering, Madurai	Dec. 2001
3	Ph.D (Mechanical Engg)	NIT Calicut, Calicut	Nov, 2014

Experience

S. No.	Designation	Organization	Year
1	Engr-Design	KJB Titanium(P) Ltd, Chennai	1997-2000
2	Asst. Professor	Kamaraj College of Engineering	2001-2013

		and Technology, Virudhunagar	
3	Associate Professor	Kamaraj College of Engineering and Technology, Virudhunagar	Apr 2013- Apr 2019
4	Professor	Kamaraj College of Engineering and Technology, Virudhunagar	May2019- Till date

5. Research Profile

❖ **Google Scholar Citations:** 332; h-index: 6 i10-index: 3

❖ **Scopus Citations:** 201 h-index: 6 i10-index: 3

Google scholar :<https://scholar.google.co.in/citations?user=7g9wmwgAAAAJ&hl=en>

Scopus : <https://www.scopus.com/authid/detail.uri?authorId=57205378954>

ORCID iD: <https://orcid.org/0000-0002-1729-248X>

Researchgate: https://www.researchgate.net/profile/Senthil_S

Publon : <https://publons.com/researcher/1486866/s-senthil>

Mendeley: <https://www.mendeley.com/profiles/senthil-s3>

Web of Science ResearcherID: U-6265-2017

6. Area of Specialization : **Reverse Logistics, Rapid Prototyping**
7. Experience (No. of Years) : **21 years**
8. Membership in Professional Societies : **Life Member of ISTE, Fellow Member in IE, SAE**
9. No..of 100% pass : **20**

Project Guided

❖ UG-46 ; PG-2

❖ Ph.D. Guiding: 5

Research Papers Published 25

SCI Journals 6

1. R Prithivirajan, P. Narayanasamy, Naif Abdullah, T. Ramkumar, **S Senthil** (2019) Characterization of *Musa paradisiaca* L. Cellulosic Natural Fibers from Agro-discarded Blossom Petal Waste, *Journal of Natural Fibers*, (Impact Factor 0.974), In press
2. B. Kanimozhi, V. Thamizhmani, V. Pranesh, **S. Senthil** (2019), Kaolinite fines colloidal flow in high temperature porous carbonate media during saline water injection, *Journal of Petroleum Science and Engineering*, Vol.175, pp.775-784 (Impact Factor:2.382)
3. **S. Senthil**, K Muruganathan, A Ramesh (2018), Analysis and prioritisation of risks in a reverse logistics network using hybrid multi-criteria decision making methods, *Journal of Cleaner Production*, Vol. 179,pp. 716-730 (Impact Factor:5.651)
4. MR Sanjay, P Madhu, M Jawaid, P Senthamaraiannan, **S Senthil** (2018), Characterization and properties of natural fiber polymer composites: A comprehensive review, *Journal of Cleaner Production*, Vol 172,pp. 566-581 (Impact Factor:5.651)
5. P Balasundar, P Narayanasamy, P Senthamaraiannan, **S. Senthil** (2018), Extraction and Characterization of New Natural Cellulosic *Chloris barbata* Fiber, *Journal of Natural Fibers* Vol 15, No.3, pp. 436-444 (Impact Factor 0.974)
6. **S. Senthil**, B.Srirangacharyulu, A.Ramesh (2014), 'A robust hybrid multi-criteria decision making methodology for contractor evaluation and selection in third party reverse logistics', *Expert Systems with Applications*, Vol. 141, No.1, 51-55 (Impact Factor:3.768)

Scopus Indexed Journals 14

7. **S. Senthil**, S. Mahalingam, S. Ravikumar, V. Pranesh (2019), Adiabatic behaviour of gas wells due to natural reservoir fines migration: analytical model and CFD study, **Journal of Petroleum Exploration and Production Technology**, In press

8. V Pranesh, B Rakesh, S Mahalingam, **S. Senthil** (2019), Comparison of DEA frontier and ranking in performance assessment and optimisation of jatropha and fish oil biodiesel blend in CI engine, **Australian Journal of Mechanical Engineering** ,In press
9. P. Balasundar, P. Narayanasamy P, Srikrishna, T. Ramkumar ,**S. Senthil** (2018) ,Characterization of Ferric oxide reinforced magnesium nano-composites processed through microwave sintering/powder metallurgy , **International Journal of Microstructure and Mechanical Properties** ,Vol.13,No.6,pp. 447 – 453.
10. K.P. Naveen Balaji, **S. Senthil** (2016) Economic Snake robot for Surveillance in unreachable areas, International Journal of Advance Research in Science and Engineering, Vol.5, No.10, pp., 60-65.
11. V. Ragavanandam, **S. Senthil**, S.Kanagaraj, T.Shriraman (2015) Experimental Investigation of Usage of alternative fuels in two stroke petrol engine’, **International Journal of Applied Engineering Research**, Vol.10, No.55,Special issue, pp. 3700-3706.
12. T. Shriraman **S. Senthil**, V.Ragavanandham (2015)’ An innovative design of Automatic match box filling machine’ **International Journal of Applied Engineering Research**, Vol.10, No.55, Special issue, pp.3882-3887.
13. P. Lakshmi Narayanan, **S. Senthil** , D. Aruldass James and S. Mani Pandi (2015), An Innovative design of moving railway platform, **International Journal of Applied Engineering Research**, Vol. 10, No.15,Special issue, pp.838-842.
14. V.C. Venkat, **S. Senthil**, R. Sakthivel Murugan , P. Lakshmi Narayanan (2015), An Innovative method for reduction and utilization of atmospheric carbon-di-oxide, **Journal Of Chemical and Pharmaceutical Sciences**, Vol. 7, pp. 236-239.
15. **S. Senthil**, R. Sridharan, B. Srirangacharyulu, A.Ramesh (2015), Analysis and Selection of Reverse logistics network design using hybrid multi-criteria decision making method, **International Journal of Applied Engineering Research** ,Vol.10, No.4, pp. 9799-9809.
16. **S. Senthil**, V.M. Gokulnath (2015), Stamping Layout Evaluation using Multi-Criteria

- Decision Analysis, **Advances in Natural and Applied Sciences**, Vol. 9, No.6, pp.689-693.
17. **S. Senthil**, R. Sridharan. (2014), 'Perspectives and Research Potentials in Reverse logistics-Literature Review'. **International Journal of Research in Engineering and Technology**, Vol.3, No.11, pp.140-144.
 18. **S. Senthil**, B.Srirangacharyulu, A.Ramesh (2012), 'A decision making methodology for the selection of reverse logistics operating channels ', **Procedia Engineering**, Vol. 38, 418-428
 19. **S. Senthil** (2012), An application of inner product of vectors for selecting suitable material ', **IUP Journal of Mechanical Engineering**, 5 (1), 31-37.
 20. **S. Senthil** , M.Jaheer Hussain (2010), 'A multi-criteria decision making methodology for material selection using inner product of vectors', **International Journal of Applied Engineering Research**, 41 (5), 753-758.

Non Indexed Journals 5

21. R.Nithish, S.Senthil, P.Narayanasamy(2019), 'Design of Manoeuvrable Trolley for Transportaion for wire manufactuing industries', **Journal of Material Science and Mechanical Engineering**, 6(4), 238-241.
22. J.Akash Nirmal kumar, N.Gowtham, **S.Senthil** (2014), 'Design and Fabrication of Hydrogen powered IC engine, **International Review of Applied Engineering Research**,4(5),423-426.
23. **S. Senthil**, G,Gurusaravanan, K. Amudhan, S. Chelladurai (2013), 'A framework for evaluation of material handling equipment', **International Journal of Mechanical Engineering and Research**,3(5)523-528.
24. **S. Senthil**, K. Amudhan G. Gurusaravanan (2013), 'A comprehensive study of effect of increasing the wire rope diameter in crawler crane', **International Journal of Engineering Research and Technology**, 6(4), 495-498.

25. **S. Senthil** , R.Sebastian Rayon Nixon, V.C. Venkat (2013), ‘Rapid Prototyping process evaluation using inner product of vectors ’, **International Journal of Technology and Management** ,6 (1), 501-504.

International Conferences : 25

1. R.Nithish, **S.Senthil**, P.Narayanasamy, Design of manoeuvrable trolley for transportation for wire manufacturing industries, International Conference on Innovative Research in “Mechanical, Material, Industrial, Automotive, Aerospace and Nano-Technology”, Jawaharar Nehru University, 27 th July 2019.
2. A. Anandha Gokul , C.S. Arun,, **S. Senthil**, Design of Spool Handling Trolley for Wire Manufacturing Industries, **International conference on Recent Trends in Industrial Innovation**, Dayananda Sagar College of Engg, Bengaluru,28-29 March 2019.
3. S. Solomon Rajkumar, N. Govindaraj, **S. Senthil** ,Implementation of six sigma and TPM in Dairy processing industry, **International Conference on Emerging Trends in Engineering and Technology**, PSY Engg College, Madurai, 15-16 March 2019.
4. M.Vignesh Khanna, C.S. Arun, **S. Senthil**, Design of material handling trolley for master bobbin, **International Conference on Sustainable Energy Resources, Materials and Technologies**, SSN College of Engineering, Chennai, 14-15 March 2019.
5. K. Sudhakar A. Aiyakutty S. Sudhan **S. Senthil**, Design and Relocation of Dedusting Bag filter in coal mill of Cement Industry, **International Conference on Recent Trends in Mechanical and Civil Engineering**., PET Engineering college, Tirunelveli, 4-5 April 2018.
6. M. Kannan G. Karthick Raj S. Mugesh Krishna **S. Senthil**, Safety Improvement in Cylinder head Lifting and cycle time reduction in piston subassembly at ZD-30 Engine Assembly, **International Conference on Advances in Mechanical Engineering**, Kalasalingam University, 5-6 April 2018.
7. **S. Senthil**, K. P .Naveen Balaji, A multi-criteria decision making methodology to select and evaluate the suitable material handling equipment” **International Conference on**

- Mathematical modelling and Simulation**, IIT BHU, Varanasi. 29-31 August 2016.
8. K.P. Naveen Balaji, **S. Senthil**, Economic snake robots for surveillance in unreachable areas, **International Conference on Latest Innovations in Science, Engineering and Management**, International Centre, Goa on 9.10.2016.
 9. T. Shriraman **S. Senthil**, V. Ragavanandham, An innovative design of Automatic match box filling machine', **International Conference on Advances in Applied Engineering and Technology**, Syed Ammal Engineering College, Ramanathapuram, , 14-16 May, 2015.
 10. V. Ragavanandam, **S. Senthil**, S. Kanagaraj, T. Shriraman,, Experimental Investigation of Usage of alternative fuels in two stroke petrol engine **International Conference on Advances in Applied Engineering and Technology**, Syed Ammal Engineering College, Ramanathapuram, 14-16 May, 2015.
 11. G. Gurusaravanan K.Amudhan, T. Shriraman, **S. Senthil** (2014), Design and Fabrication of gravity powered generator, **International conference on green technologies for environmental pollution prevention and control (ICGTEPC)**, National Institute of Technology, Tiruchiarappalli, September, 27-29, 2014.
 12. **S. Senthil**, R. Sridharan. C.Anitha (2014), 'A critical examination and assessment of reverse logistics contractor using digraph and matrix method', **International conference on Innovative Trends in Engineering and Technology, ICIRET**, EGS Pillay Engineering College, Nagapattinam, May 2, 2014.
 13. J.Akash Nirmal kumar, N.Gowtham, **S.Senthil** (2014), Design and Fabrication of Hydrogen powered IC engine. **Innovative Trends in Mechanical ,Material and Manufacturing Engineering (ITMMME 2014)**, Jawaharlal Nehru University, New Delhi, 14th-15th Feb 2014.
 14. **S. Senthil**, T. Shriraman (2013), 'A comprehensive study and assessment of suitable weapon using improved VIKOR method', **International Conference on Robotics,**

- Manufacturing and Automation**, IRAM-2013, IIT Indore, 16th-17th December 2013.
15. **S. Senthil**, V.C. Venkat (2013), 'Design and fabrication of novel portable type hang glider', International **Conference on Robotics, Manufacturing and Automation**, IRAM-2013, IIT Indore, 16th-17th December 2013.
 16. **S. Senthil** participated in the **International Conference on Additive Manufacturing and Technologies** organised by AMSI, Bangalore at NIMHANS Convention Centre, Bangalore on 7-8th October 2013.
 17. **S. Senthil**, P. Amudhan G. Gurusaravanan (2013), 'A framework for evaluation of material handling equipment', **International Conference on Advances in Mechanical Automobile, Aerospace Engineering** , AMAAE 2013, Jawaharlal Nehru University, New Delhi , 21st-22nd September 2013.
 18. **S. Senthil**, G. Gurusaravanan, P. Amudhan (2013), 'Effect of increasing the wire rope diameter in crawler crane', **International Conference on Advances in Mechanical Automobile, Aerospace Engineering** , AMAAE 2013, Jawaharlal Nehru University , New Delhi, 21st-22nd September 2013.
 19. **S. Senthil**, R. Sridharan, B. Srirangacharyulu, A. Ramesh (2013), 'Analysis and Evaluation of 3PRLP using diagraph and matrix method', **International Conference on Sustainable Manufacturing** ,ICSM 2013, Coimbatore Institute of Technology, Coimbatore, 29st-31th July 2013.
 20. **S. Senthil**, C. Anitha (2013), 'Weapon selection using an improved compromise ranking method', **International Conference on Sustainable Manufacturing** ,ICSM 2013, Coimbatore Institute of Technology, Coimbatore, 29st-31th July 2013.
 21. **S. Senthil**, R. Sebastian Rayon Nixon, V.C. Venkat (2013), 'Rapid Prototyping process evaluation using Inner Product of Vectors ', **International Conference on Diversifying Trends in Technology and Management** ,ICSM 2013, Indian Institute of Technology, New Delhi, 6th-7th April 2013

22. **S. Senthil**, P. Vignesh, (2013), 'Evaluation of metal stamping layouts using an improved PROMETHEE method ', **International Conference on Manufacturing and Automation** ,INCAMA 2013, Kalasalingam University, Krishnankoil, 28th-30th March 2013.
23. **S. Senthil**, B. Srirangacharyulu, A. Ramesh (2012), 'A decision making methodology for the selection of RLOC ', **International Conference on Optimization, Modelling and Computation** ,ICMOC 12, Noorul Islam University, Kanyakumari, 10th-11th April 2012.
24. **S. Senthil**, B. Meenakshi Sundaram , S. Fhazilraja (2012), 'A multi-criteria decision making methodology for the selection of rapid prototyping process', **International Conference on Recent Advancements in Mechanical Engineering** ,INCROME 2012, Dr. MGR University, Chennai, 19th-20th April 2012.
25. **S. Senthil** (2010), 'Selection of weapon using diagraph and matrix methods', International Conference on Industrial Engineering and Operations Management, IIEOM 2010, Bangladesh University of Engineering and Technology ,Dhaka ,9th-10th January 2010.

National Conferences : 19

1. **S.Senthil**, S.Solomon Rajkumar, V.Dhinesh Kumar, An Innovative design and fabrication of blaze extinguisher to avoid fire accidents in automobiles ,FAER-Mcafee Scholar award, M.S. Ramiah Institute of Technology ,Bengaluru on 13/7/19 &14/7/19.
2. .P.Balasundar, P.Narayanasamy, **S.Senthil**, Study of Tungsten based composites through spark plasma sintering, National Conference on Recent Innovations and Trends in Mechanical Engineering, Rajalakshmi Inst. Of Technology Chennai on 23/3/17
3. P.Balasundar, .P.Narayanasamy, **S.Senthil**, Fabrication and testing of epoxy polymer matrix composites, National Conference on Recent Innovations and Trends in Mechanical Engineering, Rajalakshmi Inst. Of Technology Chennai on 23/3/17
4. K.P. Naveen Balaji, **S.Senthil**, Design and Fabrication of snake robot for surveillance

- applications in National Conference on Recent Advancements in Mechanical Engineering RAME 16 at Kamaraj College of Engineering and Technology on 7.4.16.
5. S. Vijaya Bharathi, **S.Senthil** , Design and Analysis of automatic deflashing setup for blow moulded component presented in National Conference on Recent Advancements in Mechanical Engineering RAME 16 at Kamaraj College of Engineering and Technology on 7.4.16.
 6. P.Lakshmi Narayanan, **S.Senthil**, D. Aruldass James and S. Mani Pandi , **An innovative Design of moving railway platform**, National Conference on Advancements in Mechanical, Environment, Safety and Health Engineering (AMESH 15), Knowledge Institute of Technology, Salem ,9th May, 2015.
 7. **S.Senthil**, V.M.Gokulnath, Stamping Layout Evaluation using a Multi-Criteria Decision Analysis, National Conference on Intelligent Computing (NCIC'15), Pondicherry Engineering College, Pondicherry, 30 th January 2015.
 8. **S. Senthil**, R. Rajkumar, P.Ganesan , A multi-criteria decision making method for selection of material, TEQIP sponsored National Conference on Computational Intelligence and Fuzzy Systems (NCCIFS '15), Anna University, Trichy 22-23 January 2015.
 9. V. Ragavanandam, R. Anbarasan, **S. Senthil**, A. Yelilarasi, Design and Fabrication of solar energy harvesting device using polymer nano composites, National Conference on Innovations in Engineering, Science and Technology, Ramco Institute of Technology, Rajapalayam, 6-7 March,2015.
 10. V.C. Venkat, **S. Senthil**, R. Sakthivel Murugan , P.Lakshmi Narayanan, An Innovative method for reduction and utilization of atmospheric carbon-di-oxide, National Conference on Recent Trends and developments in sustainable green technologies, Madras Institute of Technology, Anna University, Chennai, 24-25 March 2015.
 11. **S. Senthil** attended a conference ICTACT bridge Technology and Entrepreneurship Summit organized by ICTACT at Coimbatore, 25 th June 2014.
 12. **S. Senthil**, R. Sridharan (2014) 'Reverse logistics- A Literature Review', National

- Conference on Advancements and Futuristic Trends in Mechanical Engineering, (AFTME) Anna University, Trichy 21-22 April 2014.
13. R. Sebastian rayon Nixon, **S.Senthil** (2014) Solar powered car ventilation interim cooling sytem, National Conference on Recent Innovation in Mechanical Engineering (RIME 2014), RMK Engineering College, Chennai, 24 March 2014.
 14. P. Muthupandi ,M. Thamimun Ansari, S.Pradeep Anand kumar, **S.Senthil** (2013), 'Design and Fabrication of artificial Bone using Layered manufacturing technique ', FAER- Motorola scholar award ,M.S.Ramaiah Institute of Technology, Bangalore, 12th July 2013.
 15. **S. Senthil**, P. Seenivasan, P. Vignesh (2013), 'Selection of metal stamping layout using PROMETHEE method National Conference on Emerging Trends in CAD/CAM/CIM' ,ETCCC2013,PSG College of Technology, Coimbatore, 20th April 2013.
 16. **S. Senthil** and D.Mithunsingh (2011), "A decision making methodology for selection of suitable Robot using Inner Product of Vectors", Proceedings of the National Conference on Emerging Trends in Industrial Engineering and Management,ETRIM2011, NIT Calicut, July 11- 12, 2011,
 17. **S. Senthil** ,D. Mithunsingh and S.Kathirvel (2011) "A Multi- criteria decision making methodology for selection of suitable Robotic System", Proceedings of the National Conference on Recent Advancements in Manufacturing ,RAM2011, SVNIT Surat, Gujarat, September 17- 18, 2011
 18. **S.Senthil** (2007), "Markov Charins for the adaptive control charts", National level seminar on Optimization Techniques in Engineering and Technology, Sree Sakthi Institute of Engineering and Technolgy, Coimbatore, Decemeber 7, 2007.
 19. **S. Senthil** (2001) ,"Internet based Design-A case study" Annual Technical Convention of IETE, Indian Institute of Sciences, Bangalore ,2001

Editorial Board

- ❖ Editorial Board for the Journal of Advanced Engineering Research, IndiaTech Publishers
- ❖ Guest Editor - International Journal of Science Technology and Society, SciencePG, USA

Reviewer for the International Journals

- ❖ Journal of Testing and Evaluation, ASTM
- ❖ Journal of Multi Criteria Decision Analysis, Willey
- ❖ Journal of Modelling in Management, Emerald
- ❖ Advanced Materials Letters, VBRI Press
- ❖ Fuzzy Information and Engineering, Elsevier
- ❖ SN Applied Sciences, Springer
- ❖ Aspects in Mining and Mineral sciences, Crimson Publishers
- ❖ Energy and Fuels, ACS Publications,
- ❖ Journal of Applied Research on Industrial Engineering, AIHE, Iran
- ❖ International Journal of Construction Management, Taylor and Francis
- ❖ Journal of Transportation Safety and Security, Taylor and Francis
- ❖ Journal of Supply chain Management Science, TUDELFT
- ❖ International Journal of Logistics System and Management, Inderscience
- ❖ Environmental Engineering and Management Journal, IASI
- ❖ Journal of Cleaner Production, Elsevier
- ❖ Journal of Operational Research Society, Palgrave
- ❖ Journal of Multidisciplinary Modelling in Materials and Structures, Emerald
- ❖ OMICS Journal of Industrial Engineering and Management
- ❖ Journal of Desalination and Water Treatment, Taylor and Francis
- ❖ Review of Economics and Finance, BA Press Canada
- ❖ Resources, Conservation and Recycling, Elsevier
- ❖ Journal of Food and Agricultural Science Research, Atlantic Journals
- ❖ International Journal of Management Science and Engineering Management,

Taylor& Francis

- ❖ International Journal of Production Research, Taylor and Francis
- ❖ International Journal of Construction Management, Taylor and Francis
- ❖ The Open Construction and Building Technology Journal, Bentham Science Publishers, UAE
- ❖ Opsearch, Springer
- ❖ Reviewed a book entitled 'Tool Design' by McGraw Hill Publishers

Reviewer for the International Conference

- ❖ Reviewed papers for the International Conference on Environmental Science and Sustainable Development, Bangkok, Thailand (ICESSD 2015)
- ❖ Reviewed papers for the International Conference on Fuzzy Systems and Data Mining at Shanghai, China (FSDM 2015).

Books Published

S. Muthu Natarajan, S. Senthil, P. Senthamarai Kannan, (2018) Computational Fluid Dynamic Analysis of Vertical axis wind turbine, LAMBERT Academic Publishing

Faculty Development Programme/Workshops/Seminars Attended

- 1) Attended Infocom Expo at BIEC, Mumbai on 14/9/18.
- 2) Attended two day workshop on Autodesk Fusion 360 organized by ICT Academy at KCET on 18/7/17 to 19/7/17.
- 3) Attended Indian Metal Cutting Machine Tool Exhibition-IMTEX' 17 at Bangalore on 14.2.2017.
- 4) Attended the Grindex 16 expo at Mumbai from 3rd March to 5th March 2016.
- 5) Attended the workshop on Entrepreneurship Development conducted by Native Lead Foundations, Madurai and organized by Kamaraj College of Engineering and Technology on 31.3.2015.
- 6) Attended the Executive Development Programme organised by Kamaraj College of Engineering and Technology at Thandigudi from 20th to 22nd November 2014.

- 7) Attended the Industry Connect programme organised by ICTACT at Sree Eshwar College of Engineering on 12th July 2014.
- 8) One day awareness programme on Intellectual Property Rights organized by CIPR, Anna University Chennai at Mepco Schlenk Engg College, Sivakasi on 3rd May 2014.
- 9) Short term course on Communicative English organized by Col's Calibre at Kamaraj College of Engineering and Technology from 18th to 30th November 2013.
- 10) International Seminar on 'Funding Opportunities and Collaborative Schemes for Academic Institutions' organized by AMSI Bangalore on 8th October 2013.
- 11) Two day workshop on 'Models and methods for supply chain decisions' organized by National Institute of Technology, Calicut from 7th to 8th April 2013.
- 12) Five day Short term course on 'Advanced Engineering Optimization through intelligent techniques' organized by SV National Institute of Technology, Surat from 3rd to 7th January 2013.
- 13) One day AICTE-CII Congress on University- Industry- at PSG College of Technology, Coimbatore on 23rd June 2012.
- 14) Two day workshop on ' Innovative Product design and Rapid Manufacturing ' organized by National Institute of Technology, Tiruchirapalli from 12th to 13th April 2012.
- 15) Five day faculty enablement programme on ' Soft skills' by Worksenses and organized by Kamaraj College of Engineering and Technology from 12th to 16th Dec 2011.
- 16) Five day STTP on 'Decision making in Fuzzy Environment' sponsored by AICTE and organized by National Institute of Technology, Calicut from 1st to 5st June 2009.
- 17) One day workshop on 'Environmental Protection Awareness' sponsored by TANSICHE and organized by VHNSN College, Virudhunagar on 20th February 2009
- 18) One week short term training programme on 'Engineering Optimization' sponsored by AICTE and organized by SVNIT, from 30th June to 4th July 2008.
- 19) One week short term training programme on 'Recent Advances in Industrial Engineering' sponsored by AICTE and organized by NIT ,Tiruchirapalli from 7th to 11th April 2008.

- 20) Two day workshop on “Application of IT in manufacturing” sponsored by TEQIP and organized by NIT ,Tiruchirapalli from 11th to 12th March 2008.
- 21) Two week Faculty Development Programme ‘on Design of Transmission Systems’ sponsored by Centre for Faculty Development, Anna University Chennai and organized by KSR College of Technology, Tiruchengode from 12th to 24th November 2007.
- 22) Five days STTP on “Optimization Techniques in engineering fields” sponsored by AICTE and organized by NIT, Trichy from 7th to 11th April 2007.
- 23) One day workshop on “Robotics in Tele- education” sponsored by EU CCP and organized by Thiagarajar College of Engg., Madurai on 14th October 2006.
- 24) One Day workshop on “Renewable Energy” sponsored by TEDA and organized by VHNSN College, Virudhunagar on 15th August 2006.
- 25) Two day workshop on “Finite Element Analysis” conducted by JJ College of Engg and Tech., Trichy at on 6th and 7th October 2006.
- 26) Three days training on “Pro/Engineer advantage pack” conducted by Rolta India Limited and organized by Kamaraj College of Engineering and Technology from 1st to 3th March 2006.
- 27) One day workshop on “Renewable Energy: Energy of the future” sponsored by TEDA and organized by Arumigu Kalasalingam College of Engg., Krishnankoil on 20th October 2005.
- 28) One day workshop on “Virtual Lab for Robotics” organized by Thiagarajar College of Engg., Madurai on 20th February 2005.
- 29) One day workshop on “Mechatronics System Design” organized by Thiagarajar College of Engg., Madurai on 5th February 2005.
- 30) Five days Faculty Development Programme on ”Engg Mechanics” sponsored by Anna University, Chennai and organized by PSG College of Technology, Coimbatore 16th to 20th June 2003.
- 31) Five days Faculty Development Programme on ”CAD/CAM/” sponsored by Anna University, Chennai and organized by Mepco Schlenk Engg College 9th June to 13th June

2003.

- 32) Two day workshop on” Rapid Prototyping” organized by Anna University, Chennai on 18th and 19th October 2002.

Workshops/Seminars/FDPs Organized

- 1) Coordinated the Faculty Development Training Programme on Thermal Engineering from 1st To 8th Dec 2015 approved by Anna University Chennai
- 2) Coordinated the Open House organized by Kamaraj College of Engineering and Technology on 11/3/2016.
- 3) Coordinated the one day workshop on ‘Characterization of Natural Fibres and how to write research articles in annexure 1 on 11.2.16 .
- 4) Coordinated the Anna University Sponsored faculty development programme on Design of Transmission Systems organized by Kamaraj College of Engineering and Technology from 10th Decemeber to 17th December 2013.
- 5) Coordinated the technical symposium SPICE 2K2 organised by Kamaraj College of Engineering and Technology on 27/8/2002.

Seminars/Special Lectures Delivered

- 1) Delivered a lecture on Engineering Practices –Carpentry at RJ Mantra English School, Virudhunagar on 6/7/19.
- 2) Delivered a lecture on Capacity Building for industrial needs at VSVN Polytechnic College, Virudhunagar on 10/6/14.
- 3) Delivered a lecture on Mental Ability at VSVN Polytechnic College, Virudhunagar on 26/6/14.
- 4) Delivered a lecture on Design of Keys, Keyways and Crankshaft in the Anna University supported Faculty Development Programme on Design of Machine Elements at PSNA College of Engineering and Technology on 2/7/14.
- 5) Delivered a lecture on Problems in Distance and Time and Work at Arasan Ganesan Polytechnic College, Sivakasi on 26/8/14.

- 6) Delivered a Lecture on “Rapid Prototyping ”in the AICTE sponsored Faculty Development Programme on “Latest Developments in CAD/CAM ”organized by ATPDC,CIPET, Madurai on 28th August, 2013.
- 7) Delivered a lecture on ‘Robotics’ at ANJA Polytechnic College, Sivakasi on 9th July 2013.
- 8) Delivered a lecture on Multi –Criteria decision making in the AICTE sponsored Faculty Development Programme on “Decision Making in Fuzzy Environment” at NIT Calicut on 5th June ,2009.
- 9) Delivered a Lecture on “Energy optimization” at VPMM Engg college for women , Srivilliputhur on 12th September 2009.
- 10) Delivered a Lecture on “Quality Control” at VSVN Polytechnic College, Virudhunagar on 24th January 2006.

Funded Projects

- 1) FAER-Motorola scholar award –Rs 7200 for the project entitled An Innovative Design and Fabrication of blaze extinguisher to avoid accidents in Automobiles.
- 2) Tamilnadu State Council for Science and Technology Rs 5000 A novel way of design and fabrication of motorcycle helmet to avoid accidents using rapid prototyping technique.
- 3) FAER-Motorola scholar award –Rs 5000 for the project entitled “Design and Fabrication of artificial bone using layered manufacturing
- 4) Tamilnadu State Council for Science and Technology-Rs.7500 for the project entitled “Design and Fabrication of simulated kidney using rapid prototyping”.

Consultancy Projects

1. M/S Paprika Oleos India Ltd, Virudhunagar, 2014 : Rs.8000
2. M/S Paprika Oleos India Ltd, Virudhunagar, Testing of sieves 2015: Rs. 2800

Monograms Published

1. Computer Aided Machine Drawing, Magma Publishers, 2011
2. Maintenance Engineering, Magma Publishers, 2011

3. Design of Transmission Systems, Magma Publishers, 2010

Manuals published

1. Computer Aided Engineering Graphics , Magma Publishers, 2010
2. Engineering Practices Lab Manual, GES Publishers 2009
3. Workshop Practices Lab Manual, TQE Publishers, 2002

Resource Person

- 1) Guest Lecture on Rapid Prototyping 22.8.17 at VSVN Polytechnic College
- 2) Guest lecture on OBE 5.10.17 at VSVN Polytechnic College
- 3) Delivered a interactive live session about Engineering Education at Kalignar Seithigal news channel on 12.10.16
- 4) Chief Guest for Boghar Polytechnic College on Engineers Day Celebration 15.9.16
- 5) Judge for the Inter polytechnic Paper Presentation'' Recent Trends in Manufacturing Technology'' on 29th January 2016 at VSVN Polytechnic College, Virudhunagar.
- 6) Acted as a judge for the event Death race on organised by Department of EEE, Kamaraj College of Engineering and Technology on 14 th August 2015.
- 7) Delivered a lecture on *Application of Robotics in Manufacturing Industry* organized by Department of Mechatronics, Kamaraj College of Engineering and Technology on 25 th September 2015.
- 8) Chief Guest for Annual Sports Day at Noble Matriculation School, Virudhunagar on 12.9.2015
- 9) Delievered a lecture on Steam Power Plants and Cooling Towers organized by Department of Civil Engg, Kamaraj College of Engineering and Technology on 15 th October 2015.
- 10) Acted as a judge for the Open House organized by Department of EIE, Kamaraj College of Engineering and Technology on 10.10.2015.
- 11) Acted as Judge for the Students Technical symposium "VSVN MEET 14" conducted by

- VSVN Polytechnic College, Virudhunagar on 24th January 2014.
- 12) Acted as Chair for the mock interview at VSVN Polytechnic College, Virudhunagar on 17th September 2013.
- 13) Acted as Judge for the intra collegiate technical symposium on the theme “Industrial Automation” organized by VSVN Polytechnic College on 10th January 2013.
- 14) Acted as Judge for the intra collegiate technical symposium on the theme “Quality control” organized by VSVN Polytechnic College on 8th January 2012.

Advisory Board

Advisory member for Dawn Prawn Energy Consultancy, Chennai

Board of Studies Member at VSVN Polytechnic College

Contribution to the Department

- ❖ Accreditation by NBA from 2017-2020
- ❖ Responsible for establishing Research Centre.
- ❖ Developed new formats for implementing OBE

Funded Seminar

- ❖ Coordinated the Institution of Engineers Funded National seminar on Application of Nano Materials on Solar Energy on 9/3/18 and 10/3/18.
- ❖ Coordinated the Institution of Engineers Funded National seminar on Materials for Energy Storage on 10/2/19 and 11/2/19.

Responsibilities Held

- ❖ IQAC Member of Kamaraj College of Engineering and Technology
- ❖ NCC Officer holding the rank of Lieutenant
- ❖ Incharge of Industrial Visit (2001-2009)
- ❖ Served as NSS Officer in the year 2001-2002.
- ❖ Served as Transport Incharge of the college in the year 2002-2004
- ❖ Incharge of College musical Band 2006-Till date
- ❖ Coordinated the Kamaraj Centenary rally in the year 2002

Chapters Established

1. ASDC-Establishment
2. ISHRAE –Establishment

Internship Opportunities created

1. M/S Reliance
2. M/S DCW
3. M/S ESSAR

Industrial Expo coordinated

IMTEX 2017, Bangalore

Other Details

1. Admission team- Organised more than 25 school campus visit to college
2. Coordinator for Project River-Admission promotion
3. Passed the Business English Communication (BEC) Vantage exam conducted by Cambridge English
4. Served as a coordinator for the Industry-Institute Interaction Cell 2014-2015.
5. Enlisted in the Marquis who and who in the world 2015.

Awards Received

1. Outstanding Reviewer award from Elsevier, 2016
2. Received 'Champion of Change Award -Special contribution in achieving open defecation free panchayat' from DRDA, Madurai on October 2, 2015
3. Received Bharath Excellence award from FFI, New Delhi, 2014.