

**Dr.V.THANIGAIVELAN.,B.E., M.E., Ph.D.,**

**Assistant Professor,**

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### **Overview:-**

Dr.V.THANIGAIVELAN Working as an Assistant Professor in the Department of Mechanical at SRMIST,Ramapuram. He Graduated in Mechanical Engineering at Madras University,Chennai,Tamilnadu, India. He secured Master of Engineering in Thermalpower Engineering at Annamalai University, Chidambaram, India. He Pursued Ph.D. in the field of Mechanical Engineering at Annamalai University, Chidambaram, India. He is in teaching profession for more than 20 years. He has presented More than 40 number of papers in National and International Journals, 28Conference and Symposiums also a Editorial board Member and Reviewer in Reputed Journals and Guiding 4 Ph.D. Scholars.

### **Areas of Research:**

Thermal Engineering, Hydrogen Fuel, Ic Engines.

### **Selected Publications:                    Web of Science/SCI**

1. **V.Thanigaivelan**, R.lavanya ,R.rajesh,sivaprasad kv,manorajitham. “An Exploratory Study of Direct Injection (DI) Diesel Engine Performance Using CNSL- Ethanol Biodiesel Blends With Hydrogen. MDPI- **Energies 2023**, 16,415 (**indexed in SCIE Impact factor 3.69**) in Jan '2023.
2. **V. Thanigaivelan**, S. Prithvy, K. Balachander, M. Santhanakrishnan and S. Keshav, "IOT Based Development of Helical VAWT," 2022 International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI), IEEE XPLORE 2022, pp. 1-4, doi: 10.1109/ACCAI53970.2022.9752605. (**indexed in Scopus**)
3. **Dr. V. Thanigaivelan**, M Ramarao, S Rajesh, P Shanmugam, G N Swamy, Veeresh F, Impact of Cashew Nut Shell Liquid Biofuelon Performance and Emission Characteristics in Diesel Engine, **Journal of Algebraic Statistics**, vol. 13, No. 3, pg 3944-3951, 2022. (**indexed in WOS**)
4. **Dr. V. Thanigaivelan**, B Nagesawara Rao, R Satish Kumar, K Umadevi, Amol L Mangrulkar, A Coupled Earth to Air Heat Exchanger for Assessment of Non Active Structural Cooling, **Journal of Algebraic Statistics**, vol. 13, No. 3, pg 4931-4937, 2022. (**indexed in WOS**)

5. **Dr. V. Thanigaivelan**, Dr. M. Loganathan, vigneshwar, venkat ramanan, Effect of hydrogen and ethanol addition in cashew nut shell liquid biofuel-diesel operated direct injection (DI) diesel engine, **Hydrogen Energy, Elsevier**. ISSN: 0360-3199 (**indexed in SCIE Impact factor 6.69 in jan'2022**)
6. **Dr. V. Thanigaivelan**, T K Kishore Kumar, G Hari Prasad, K Daniel Jeysingh, R Mohit, (2021). Extraction of Bio-oil from Sugarcane Leaves. *Journal of Physics: Conference Series*, Vol.2054, 012010.
7. M Nataraj, **Dr. V. Thanigaivelan**, S Pradeep Devaneyan, (2021). Review on production of bio-diesel fuel and the performance and emission characteristics of biodiesel-fuelled compression ignition engine. *Journal of Physics: Conference Series*, Vol.2054, 012080.
8. **Dr. V. Thanigaivelan**, Sahil Kumar Singh, Shashank Shekhar Rajhans, Aniket Satish Jagtap, (2021). Influence of nano additives with cashew nut shell bio-oil in CI diesel engine. *Journal of Physics: Conference Series*, Vol.2054, 012018.
9. **Dr. V. Thanigaivelan**, M.Ramarao, Dr.Baburao Gudipudi, G. Manikandaraja, R. Suresh (2021). Strategic Implementation of Pushing Powered Fertilizer and Pesticide Spreader. *Design Engineering*, No.7, 5619- 5629. (**indexed in scopus SNIP 11.486**)
10. Joshua A, **V Thanigaivelan**, Vishnu V, Sajil Jith S, Vishwakh Iyer, Abhishek P V. (2021). Motorised Cargo Stair Lift System. *Design Engineering*, No.7, 7466-7475. (**indexed in scopus SNIP 11.486**)
11. J. Silkson John, **Dr. V. Thanigaivelan**, M Krishna, A. Joshua, Design of wall mounted type power scrubber cleaning device, IOP Conf. Series: Materials Science and Engineering, 1130(2021) 012025, ISSN: 1757-8981 (**indexed in scopus SNIP 0.531**).
12. M Krishna, **Dr. V. Thanigaivelan**, J. Silkson John, A. Joshua, Analysis of various NACA airfoil and fabrication of wind tunnel to test the scaled-down model of an airfoil, IOP Conf. Series: Materials Science and Engineering, 1130(2021) 012021, ISSN: 1757-8981 (**indexed in scopus SNIP 0.531**).
13. D.Krishnakumar, R. Nirmalraja, **Dr. V. Thanigaivelan**, Performance and combusted emission gases characteristics Investigation of Honge methyl ester blended biodiesel, AIP Conference Proceedings, 2283, 020020 (2020), ISSN: 1551-7616 (**indexed in scopus SNIP 0.40**).
14. M. Krishna, Aditya Ghalsasi, Dhananjay Saha, **Dr. V. Thanigaivelan**, J.Silkson John, Development and Ability Inspection of Cater-Bot, AIP Conference Proceedings, 2283, 020015 (2020), ISSN: 1551-7616 (**indexed in scopus SNIP 0.40**).

15. J Renuraman, **Dr. V. Thanigaivelan**, A. Joshua, R Nirmal Raja, Design and Structural Analysis in the Fabrication of Man-Machine Hybrid E-Bike, Solid State Technology, vol. 63, No. 2s, 2020, ISSN: 0038-111X (**indexed in scopus SNIP 0.492**).
16. **Dr. V. Thanigaivelan**, R Lavanya, B Prabhakaran, J Renuraman, Optimized Social media mining through systematic analysis, International Journal of Future Generation Communication and Networking, vol 13. No. 3, 2020, ISSN: 2233-7857 (**indexed in WOS**).
17. **Dr. V. Thanigaivelan**, J. Silkson John, M. Krishna, S. Ganesh, B Prabhakaran, Design And Evaluation Of Cardamom Plucking Machine, International Journal of Future Generation Communication and Networking, vol 13. No. 3, ISSN: 2233-7857 (**indexed in WOS**).
18. R Lavanya, **Dr. V. Thanigaivelan**, S. Ganesh, M. Krishna, J. Silkson John, Cost Effective Sign Language Translator Using Raspberry Pi With Iot, International Journal of Future Generation Communication and Networking, vol 13. No. 3, ISSN: 2233-7857 (**indexed in WOS**).
19. Dr. M. Loganathan, **Dr. V. Thanigaivelan**, V.M. Madhavan, A. Anbarasu, A. Velmurugan, The synergetic effect between hydrogen addition and EGR on cashew nut shell liquid biofuel-diesel operated engine, **Fuel**, vol 266. Elsevier. ISSN: 0016-2361 (**indexed in SCIE Impact factor 6**).
20. Dr. M. Loganathan, V.M. Madhavan, Arun Balasubramanian, **Dr. V. Thanigaivelan**, M Vikneshwaran, A Anbarasu, Investigation on the effect of diethyl ether with hydrogen enriched cashew nut shell (CNS) biodiesel in direct injection(DI) diesel engine, **Fuel**, vol 266. Elsevier. ISSN: 0016-2361 (**indexed in SCIE Impact factor 6**).
21. Lavanya R., **Dr. Thanigaivelan V.** (2020) Automated Investigation of Power Structures Annoyance Data with Smart Grid Big Data Perception. In: Karrupusamy P., Chen J., Shi Y. (eds) Sustainable Communication Networks and Application. ICSCN 2019. Lecture Notes on Data Engineering and Communications Technologies, vol 39. **Springer**, Cham. ISSN: 2367-4512.
22. **V. Thanigaivelan** and Dr. M. Loganathan, "Effect of Ethanol Addition on Performance and Emission of CNSL Biodiesel- Hydrogen Operated Di Dual Fuel Engine", published in International Journal of Mechanical Engineering and Technology (IJMET), Volume 10, Number 1 pp. 1209 - 1220 (2019) ISSN: 9766340 (**indexed in scopus Impact factor 2.31**).
23. **V. Thanigaivelan** and Dr. M. Loganathan, "Performance and Emission Characteristics of Dual Fuel DI Diesel Engine using Cashew Nut Shell BioDiesel and Hydrogen as Fuel", published in International Journal of Mechanical Engineering and Technology (IJMET), Volume 10, Number 1 pp. 847-857(2019).ISSN: 9766340(**indexed in scopus Impact factor 2.31**).
24. **V. Thanigaivelan** and Dr. M. Loganathan, "Investigational Analysis of Performance Characteristics and Emission of Cashew Nut Shell Biodiesel on DI Diesel Engine", published in

International Journal of Advanced Research in Engineering and Technology, Volume 10, Number 1 pp. 45-54 (2019). ISSN: 0976-6480 (**indexed in scopus**).

25. **V Thanigaivelan**, G Balaji, M Loganathan and C G Saravanan, "Recital and emanation individuality of cashew nut shell with methanol blends", published in IOP Conf. Series: Materials Science and Engineering, 402 (2018) 012108 ISSN: 1757-8981 (**indexed in scopus SNIP 0.531**).
26. **V Thanigaivelan**, K C Udaiyakumar, G Balaji and S D Kumar, "Thermal effect of drain gas recirculation arrangement combined with intercooler for two wheelers", published in IOP Conf. Series: Materials Science and Engineering, 402 (2018) 012112. ISSN: 1757-8981 (**indexed in scopus SNIP 0.531**).
27. M. Sivashankar, G Balaji, R K Bharathraj, **V Thanigaivelan**, "Phenomenon of brake specific fuel consumption and volumetric efficiency in CI engine by modified intake runner length", published in IOP Conf. Series: Materials Science and Engineering, 402 (2018) 012112. ISSN: 1757-8981 (**indexed in scopus SNIP 0.531**).
28. **V. Thanigaivelan**, M. Loganathan, and C.G. Saravanan "Experimental Investigation Combustion Characteristics and Emission of Cashew nut Shell Biodiesel on DI Diesel Engine", published in Journal of Emerging Technologies and Innovative Research, Volume 6, Number 1 pp. 879-891(2018).
29. R. Lavanya and **V. Thanigaivelan**, "Cyber secured surveillance Next-Generation Unmanned Ground Vehicle through Internet of Things", published in International Journal of Pure and Applied Mathematics, Volume 120, Number 6 pp. 6879-6891(2018). ISSN: 1311-8080 (**indexed in scopus SNIP 0.48**).
30. **V. Thanigaivelan**, M. Loganathan and C.G. Saravanan, 'Pursuance Assessment and Discharge Characteristics Studies of Compression Ignition Diesel Engine by using Cashew Nut Shell Oil as Bio-Diesel Blends', International Journal of Applied Engineering Research ISSN 0973-4562 Volume 12, Number 13 (2017) pp. 4009-4014. ISSN: 0973-4562 (**indexed in scopus SNIP 0.354**).
31. **V. Thanigaivelan**, M. Loganathan and C.G. Saravanan, 'Recital Exploration of Enclosure of Hydrogen to Compression Ignition Diesel Engine with Biodiesel Blends', Journal of Engineering and Applied Sciences (**Medwell Publishers**), 12(special issue 7), 2017; pp: 8111-8116. ISSN: 1818-7803 (**SNIP 0.422**).
32. **V. Thanigaivelan**, Dr. M. Loganathan, "Performance analysis of addition of hydrogen to compression ignition diesel engine with bio diesel blends" in *IEEE Xplore*, 978-1-5090-4856-4, 1123 - 1128. ISSN: 978-1-5090-4856-4 10.1109/ICONSTEM40713.2017.

33. **V. Thanigaivelan**, Dr. M. Loganathan, Dr. C. G. Saravanan, "Efficiency analysis and combustion characteristics of addition of hydrogen to compression ignition diesel engine with bio diesel blends" in Advances in Natural and Applied Sciences, Vol. 11, No. 4.
34. **V. Thanigaivelan**, M. Loganathan and C.G. Saravanan, 'Performance Investigation of Inclusion of Hydrogen to Compression Ignition Diesel Engine with Bio Diesel Mingles', Int. J. Pharm. Sci. Rev. Res., 44(2), 2017; Article No. 07, pp: 32-37. ISSN: 0976-044X (SNIP 0.421).
35. **V. Thanigaivelan** & Prof. Dr. L. Antony Michael Raj, "Re utilization of Gland Steam for Optimized Efficiency in Cogeneration Power Plants", International Journal of Engineering Research & Technology, Vol. 4, Issue 12, December 2015, pp. 189-195.

**INTERNATIONAL CONFERENCE:**

1. J. Silkson John, **Dr. V. Thanigaivelan**, M Krishna, A. Joshua, Design of wall mounted type power scrubber cleaning device, IOP Conf. Series: Materials Science and Engineering, 1130(2021) 012025, ISSN: 1757-8981
2. M Krishna, **Dr. V. Thanigaivelan**, J. Silkson John, A. Joshua, Analysis of various NACA airfoil and fabrication of wind tunnel to test the scaled-down model of an airfoil, IOP Conf. Series: Materials Science and Engineering, 1130(2021) 012021, ISSN: 1757-8981
3. D.Krishnakumar, R. Nirmalraja, **Dr. V. Thanigaivelan**, Performance and combusted emission gases characteristics Investigation of Honge methyl ester blended biodiesel, AIP Conference Proceedings, 2283, 020020 (2020), ISSN: 1551-7616
4. M. Krishna, Aditya Ghalsasi, Dhananjay Saha, **Dr. V. Thanigaivelan**, J.Silkson John, Development and Ability Inspection of Cater-Bot, AIP Conference Proceedings, 2283, 020015 (2020), ISSN: 1551-7616
5. **Dr. V. Thanigaivelan** and J. Renuraman, "Design and Structural Analysis in Fabrication of Man-Machine Hybrid E-Bike" in Two days Virtual International Conference on Sustainable Energy Solutions for a Better Tomorrow, at Vellore Institute of Technology, Vellore during 23<sup>rd</sup>- 24<sup>th</sup> July 2020.
6. **Dr. V. Thanigaivelan**, "IOT based Sign Language Translator Device using Raspberry Pi" in International Conference on Novelty in Applied Science, Engineering and Technology, at New Prince Shri Bhavani College of Engineering and Technology, Chennai during 17<sup>th</sup> June 2020.
7. **Dr. V. Thanigaivelan** and Dr. Dhinakaran, "Synthesis and characterization of aluminium 6061 and graphite" in International Conference on Recent trends in mechanical & materials engineering, at Chennai Institute of technology, Chennai during 12th- 13th Dec 2019.

8. D. Krishnakumar, R. Nirmal Raja, **Dr. V. Thanigaivelan**, “Performance and Combusted Emission gases characteristics investigation of honge methyl ester blended biodiesel” in International Conference on Recent trends in mechanical & materials engineering at Chennai Institute of Technology, Chennai during 12th- 13th Dec 2019.
9. R. Lavanya and **V. Thanigaivelan**, “Automated Investigation of Power Structures Annoyance data with Smart Grid Big Data Perception” in International Conference on Sustainable Communication Networks and Applications, at Surya Engineering College, Erode during 30th- 31st July 2019.
10. R. Lavanya and **V. Thanigaivelan**, “Big Data Analysis Applied for Short Term Solar Irradiance Forecasting” in International Conference on Advanced Trends in Computer Science & Information Technology, at Geethanjali Institute of Science and Technology, Nellore, Andhra Pradesh during 24th- 25th August 2018.
11. R. Lavanya and **V. Thanigaivelan**, “Cyber Secured Surveillance Next-Generation Unmanned Ground Vehicle through Internet of Things” in International Conference on Power, Communications and Sustainable Energy System, at SRM Campus, Chennai during 20th- 21st June 2018.
12. **V. Thanigaivelan**, Dr. M Loganathan and Dr. C.G.Saravanan, “Recital exploration of enclosure of hydrogen to compression ignition diesel engine with bio diesel mingles”, in Virtual Second International Conference on Modern Technologies in Engineering and Science, at Hyderabad, Telangana, August 2017.
13. **V. Thanigaivelan**, Dr. M Loganathan and Dr. C.G.Saravanan, “Pursuance Assessment and Discharge Characteristics Studies of Compression Ignition Diesel Engine by using Cashew Nut Shell Oil as Bio-Diesel Blends”, in International Conference on Engineering, Energy and Environment, at TRP Engineering College, Trichy, April 2017.
14. **V. Thanigaivelan**, Dr. K.C.Udaiyakumar and K.Yoganand, “Analysis of Thermal Energy for Two Wheelers Exhaust Gas Recirculation System with Intercooler”, in International Conference on Engineering, Energy and Environment, at TRP Engineering College, Trichy, April 2017.
15. **V. Thanigaivelan**, A. Vinil Kumar Reddy, *V.S.V Satwik Reddy* and *G Milind Sai*, “The Design Fabrication Work of Pushing Powered Fertilizer And Pesticide Spreader”, in International Conference on Engineering, Energy and Environment, at TRP Engineering College, Trichy, April 2017.

16. P. Vetrivezhan, K. Yoganand, **V. Thanigaivelan**, “Material properties of ABS-m30 parts by parameter experimentations in fused deposition modeling”, in International Conference on Engineering, Energy and Environment, at TRP Engineering College, Trichy, April 2017.
17. **V. Thanigaivelan** & Prof. Dr. M. Loganathan, “Exhaust Gas Recirculation System with Intercooler for two wheelers” in *International Conference on Innovations in Science & Technology*, at Sriguru Institute of Technology, Coimbatore, Tamilnadu from 31st March to 1st April, 2016.
18. **V. Thanigaivelan** & Prof. Dr. M. Loganathan, “Performance analysis of addition of hydrogen to compression ignition diesel engine with bio diesel blends” in *International Conference on Science Technology Engineering & Management*, at Jeppiaar Engineering College, Chennai, Tamilnadu from 30th to 31st March, 2016.
19. **V. Thanigaivelan** & Prof. Dr. B. Karthikeyan, “Re utilization of gland steam for optimized efficiency in cogeneration power plants” in *International Conference on Green Technology in Engineering and Applied Sciences*, at Adhiparasakthi Engineering College, Tamilnadu from 29th to 30th March, 2013.

**NATIONAL CONFERENCE:**

1. R.Selvan, **V.Thanigaivelan**, Mohammed Ikrammullah K.S. and Parthasarathy.V, “Jatropha and Neem-Oil an Alternate Fuel for Diesel Engine-A Case-Study”, in National Conference on Emerging Trends in Mechanical Engineering and its applications, at SRM Institute of Science & Technology, Chennai on 16<sup>th</sup> April 2018.
2. R. Lavanya, **V.Thanigaivelan** “Cyber secured surveillance Next-Generation Unmanned Ground Vehicle through Internet of Things”, in National Technical Seminar on Future Technologies for Combat vehicles 2018, at **CVRDE-DRDO**, Avadi, Chennai from 23<sup>rd</sup> Feb 2018.
3. **V. Thanigaivelan**, Dr. M. Loganathan, and Dr. C.G. Saravanan, “Efficiency analysis and combustion characteristics of addition of hydrogen to compression ignition diesel engine with bio diesel blends” in ISTE sponsored *National Conference on Research and Development in Science, Engineering and Technology*, at St. Anne’s college of Engineering & technology, Panruti, Cuddalore District, February, 2017.
4. **V. Thanigaivelan**, S Pavankumar Reddy, and G Milind Sai, “Design And Fabrication of Pushing Powered Fertilizer and Pesticide Spreader” in ISTE sponsored *National Conference on Research and Development in Science, Engineering and Technology*, at St. Anne’s college of Engineering & technology, Panruti, Cuddalore District, February, 2017.

5. **V. Thanigaivelan**, A V S Srivatsa, M Sujaindra, and Ashwin Amaran, “Design And Fabrication Analysis of Beach Area Cleaning Machine” in ISTE sponsored *National Conference on Research and Development in Science, Engineering and Technology*, at St. Anne’s college of Engineering & technology, Panruti, Cuddalore District, February, 2017.
6. **V. Thanigaivelan**, and M. Mahesh Babu, “Thermal Behavior of Exhaust Gas Recirculation System with Intercooler for Two Wheelers” in *National Conference on Energy Engineering and its Applications*, at SRM University-Ramapuram campus, Ramapuram, Chennai, April, 2016.
7. **V. Thanigaivelan**, and M. Mahesh Babu, “Design and Analysis of Circular Cross Flow Radiator” in *National Conference on Energy Engineering and its Applications*, at SRM University-Ramapuram campus, Ramapuram, Chennai, April, 2016.
8. **V. Thanigaivelan**, Dr. M. Loganathan, and Dr. E. James Gunasekaran, “Performance Analysis of Compression Ignition Engine by using Hydrogen with Cashew Nut Shell Oil and Feasibility as Bio Fuel” in *National Conference on Research and Development in Science, Engineering and Technology*, at St. Anne’s college of Engineering & technology, Panruti, Cuddalore District, February, 2016.
9. **V. Thanigaivelan** & Prof. Dr. B. Karthikeyan, “A Gland steam study in cogeneration power plants” in National Conference on Recent Trends in Mechanical Engineering, at Mets School of engineering, Kerala from 19th to 20th January, 2013.

**PATENTS PUBLISHED:**

- Windmill Tree with 3D Printed Aeroleaf Turbine and Solar Supporting System – March, 2020.
- Lemongrass oil and its blends for Agricultural Diesel Engine – September 2020.
- A System and Method of Gravitational Transportation between Hills / Buildings through Telescopic Hydraulic System – September 2020
- IOT based Predictive model for Attention Deficit Hyperactivity Disorder – October 2020.
- Experimental Evaluation of Domestic Refrigerator working with LPG – February 2021.

**GUEST LECTURES/FDP AS A RESOURCE PERSON:**

- “Biofuel and Hydrogen as Alternate energy for IC engine” at Bharath institute of Higher education and Research, Chennai on 12<sup>th</sup> June 2021.
- “Hydrogen an Alternate Fuel for IC engine” at RAAK College of Engineering and Technology, Pondicherry on 22<sup>nd</sup> May 2021.



- “Hydrogen Energy and Biofuels in IC engines” at AICTE sponsored One week FDP on Recent Advances in Automobiles at Government Polytechnic College, Pudukottai on 12<sup>th</sup> May 2021.
- “Hydrogen Energy in IC engines” at Kongunadu College of Engineering and Technology (Autonomous), Trichy on 23<sup>rd</sup> November 2020.
- “Hydrogen Energy and Biofuels in IC engines” at Christ College of Engineering and Technology, Pondicherry (Pondicherry University) on 16<sup>th</sup> June 2020.
- “Recent Technologies in IC Engines” at *J.K.K. Munirajah College of Technology, Erode, TamilNadu (Anna University) on 27<sup>th</sup> July 2020.*
- “Hydrogen Technology in IC Engines” at *Seth Vishambhar Nath Institute of Engineering and Technology, Lucknow, Uttar Pradesh (Abdul Kalam Technical University) on 24<sup>th</sup> July 2020.*

#### **CONFERENCES/ SYMPOSIUMS ORGANIZED:**

- One day National Level Conference on “NCETMEA’21” at *SRM Institute of Science and Technology, Chennai in April 2021 (2<sup>nd</sup> Virtual).*
- One day National Level Conference on “NCETMEA’20” at *SRM Institute of Science and Technology, Chennai in June 2020 (1<sup>st</sup> Virtual).*
- One day National Level Conference on “NCETMEA’19” at *SRM Institute of Science and Technology, Chennai in March 2019.*
- One day National Level Conference on “NCETMEA’18” at *SRM Institute of Science and Technology, Chennai in March 2018.*
- One day National Level Technical Symposium on “Tech Medha’13” at *Sri Ganesh College of Engineering, Mullodai, Pondicherry in October 2013.*
- One day National Level Technical Symposium on “Tech Medha’14” at *Sri Ganesh College of Engineering, Mullodai, Pondicherry in September 2014.*
- One day National Conference on Emerging Trends in Science & Engineering at *Sri Ganesh College of Engineering, Mullodai, Pondicherry in March 2015.*

#### **GUEST LECTURES/FDP/WORKSHOP ORGANIZED:**

- **6 days international FDP** on “Futuristic Research in mechanical Engineering” – August 2022
- **5 days FDP** on “Innovation, Incubation, Startups & Research Challenges in India” – June 2021.
- 5 days International FDP on “Role of Engineers in Innovative Thinking for Industrial Revolution” – September 2020.
- IE(I) One day Workshop “Industry 4.0” August 2020.

- “Recent Trends in Automobile” by Mr.P.Xavier Jaganathan – January 2020.
- “Role of Engineering in the Societal Development” by Mr.Rajesh Narayanan – Oct 2019.
- “Upgrade Version and Technologies in Material Technology” by Dr.Prasantha Kumar – August 2019.
- “Application of Mechanical Engineering in Architecture” by Mr.V.Karthik – July 2019.
- “Enhancing Engineers Employability for Industry 4.0” by Dr.P.S.Kumar – May 2019.
- “Computational Fluid Dynamics for design analysis” by Mr.P.K.Hashir – March 2019.
- “Automation in Manufacturing & Production Engineering” by Mr.Amrithanathan – Feb 2019.
- “Automatized Manufacturing Technology” *at Sri Ganesh College of Engineering, Mullodai, Pondicherry, January 2014.*
- “Recent technologies in Renewable energy sources” *at Sri Ganesh College of Engineering, Mullodai, Pondicherry, February 2014.*
- “Emerging Trends in IC engines” *at Sri Ganesh College of Engineering, Mullodai, Pondicherry, August 2014.*
- “Applications in Kinematics and Machinery” *at Sri Ganesh College of Engineering, Mullodai, Pondicherry, February 2015.*

#### **VIRTUAL FDP/WEBINAR ORGANIZED:**

- Webinar on “Project proposal writing” *29<sup>th</sup> May 2020.*
- *5 days FDP on “Emerging Research Areas in Engineering” from 5<sup>th</sup> June 2020 to 9<sup>th</sup> June 2020.*
- Webinar on “Research and Innovation for skill Development and Industrial Applications” *15<sup>th</sup> July 2020.*
- Webinar on “Mental Health and Psychosocial concerns” *on 25<sup>th</sup> July 2020.*

#### **ACHIEVEMENTS:**

- **Best Paper Award** at National Conference organized by IEI on September 2019.
- **Best Paper Award** at National Conference organized by Anand Institute of Technology on March 2018.
- **Best Paper Award** at National Conference organized by St. Anne’s college of engineering *on Feb 2017.*

#### **Professional Bodies:**

Member – IEEE, ISTE, IEI, ISHRAE

**Google Scholar:** <https://scholar.google.com/citations?user=u5ELHuUAAAAJ&hl=en>

**LinkedIn:** <https://in.linkedin.com/in/dr-v-thanigaivelan-m-e-ph-d-mie-c-egg-miste-1589791ab>

