

## CURRICULUM VITAE

**Dr.T.Parameshwaran Pillai**  
**Asst.Professor (Sr.Grade)**  
**Department of Mechanical Engineering**  
**UCE - BIT Campus, Tiruchirappalli 620 024**  
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➤ **Research Area:**

- Fracture Mechanics
- Composite Material
- Design

➤ **Educational Qualifications:**

<b>Qualification</b>	<b>College/University</b>	<b>Year of completion</b>	<b>Percentage</b>	<b>Class</b>
<i>Ph.D. (Manufacturing Engineering)</i>	<i>Annamalai University</i>	2011	NA	NA
PG (Production Engineering)	<i>Annamalai University</i>	1999	70	First
UG (Mechanical Engineering)	<i>T.P.Govt.Institute of Technology</i>	1996	59	Second

➤ **Experience: (chronological order)**

<b>Name of Company / Institutions</b>	<b>Designation of Post</b>	<b>From</b>	<b>To</b>	<b>Experience in Year</b>
Anna University Tiruchirappalli	Asst.Professor (Sr.Grade)	29.06.2015	Till date	8.3
Anna University Tiruchirappalli	Asst.Professor	19.08.2009	28.06.2015	5.10
Anna University Tiruchirappalli	Lecturer	24.07.2007	18.08.2009	2.2

Jayamatha Engineering College	Lecturer	1.06.1999	21.07.2007	8.1
S.A.Rajas Polytechnic	Lecturer	08.08.1996	08.08.1998	2

➤ **Membership of Scientific and Professional Societies:**

Life Member of ISTE [LM129378]

Life Member Of SRESA

➤ **Completed PG/UG Projects:**

Number of PG Projects Completed: 48 Nos

Number of UG Project Completed: 124 batches

➤ **Research Guidance (M.S/Ph.D.) (Completed):**

Sl. No	Name of the scholar	Title of the thesis	Year of registration	Date of viva voce
1.	B.Radhakrishnan	PREDICTION OF SURFACE ROUGHNESS IN MACHINING PROCESS BY MACHINE VISION SYSTEM	July 2016	26-02-2020
2.	S.Kamatchisankaran	INVESTIGATION ON COLD WORKABILITY BEHAVIOR AND CORROSION EFFECT OF Mg-Sn-TiC HYBRID METAL MATRIX COMPOSITES PRODUCED THROUGH POWDER METALLURGY	July 2011	04.09.2020

➤ **Research Guidance (M.S/Ph.D.) (Ongoing):**

Sl. No	Name of the scholar	Tentative Title of the thesis	Year of registration	Status
1.	S.Vijayan	Makespan Minimization Using Machine Learning Algorithm in MultiStage Production Systems	July 2016	Examiner-I & II Report Received
2.	A.Santhosh Prakash	Wear Performance Of AA8090 Aluminium Alloy Composites	July 2016	Examiner-I&II Report Received
3.	Illayaraja Muthaiyaa V M		July 2015	Confirmation completed
4.	Rajaguru K		July 2017	Confirmation completed

➤ **Publications:**

**a. Books / book chapters:**

Manufacturing technology-I

Manufacturing technology-II

**b. International Journals: 32**

1. T. Parameshwaranpillai<sup>1</sup>, P.R. Lakshminarayanan<sup>2</sup> and k.m. Zakariya<sup>3</sup> “lower volume Fraction fracture toughness of composites” Material Science Research India Vol. 5(2), 359-366(2008).
2. T. Parameshwaranpillai<sup>1</sup> and P.R. Lekshminarayanan<sup>2</sup> “Evaluation of fracture toughness of Metal matrix Composites” Material Science Research India Vol. 5(2), 331-337 (2008).
3. T. Parameshwaranpillai<sup>1</sup> and P.R. Lekshminarayanan<sup>2</sup> Fracture toughness of Sipc/2124Al Metal matrix Composites, Material Science Research India,Vo.5 (1)59-66(2008).
4. T. Parameshwaranpillai a, P.R. Lakshminarayanan b, B. Nageswara Rao c,\* Tensile fracture Strength of 2124Al-10vol% SiCp composite compact tension specimens, Materials and Design, 31 (2010) 2987-2993.ISSN : 0264-1275,Publisher :Elsevier SCI-LTD, Country : England.

5. T. Parameshwaranpillai a, P. R. Lakshminarayanan b and B. Nageswara Rao c , \*  
“Taguchi’s Approach to Examine the Effect of Drilling Induced Damage on the Notched Tensile Strength of Woven GFR–epoxy Composites” *Advanced Composite Materials* 20 (2011) 261–275, ISSN : 0924 – 3046, Publisher : Taylor & Francis Ltd  
Country : Netherlands.
6. S.K.Selvam Dr. T.parameshwaran Pillai “Comparison of Heavy Alloy Tool in Friction Stir Welding” *International Journal of Engineering Science and Technology (IJEST)*, ISSN: 0975-5462, Vol. 4, No.12, December 2012(4788-4797).
7. V.Pozhilarasu Dr. T.parameshwaran Pillai, “Performance Comparison of Conventional and Composite Leaf Spring” *International Journal of Engineering Science and Technology*, ISSN: 0975-5462, Vol. 4, No.12, December 2012 (4827-4832).
8. V.Pozhilarasu Dr. T.parameshwaran Pillai, “Comparison of Performance of Glass Fiber Reinforced Plastic Leaf Spring with Steel Leaf Spring” *International Journal of Chem Tech Research*, ISSN: 0974- 4290, Vol. 5 ;No3, pp1339-1345, April –June2013.
9. V Pozhilarasu<sup>1\*</sup> and T Parameshwaran Pillai” “ PERFORMANCE ANALYSIS OF STEEL LEAF SPRING WITH COMPOSITE LEAF SPRING AND FABRICATION OF COMPOSITE LEAF SPRING ” *International Journal of Engineering Research and Science & Technology*, ISSN 2319-5991, Vol. 2, No. 3, August 2013.
- 10.S.K.Selvam Dr. T.parameshwaran Pillai, “ANALYSIS OF HEAVY ALLOY TOOL IN FRICTION STIR WELDING” *International Journal of Chem Tech Research*, ISSN: 0974- 4290, Vol. 5;No3,pp1346-1358, April –June2013.
- 11.M.subramanian Dr.T.Parameshwaranpillai,”EXPERIMENTAL ANALYSIS OF HEAT TRANSFER DURING THE MELTING OF A PHASE CHANGE MATERIAL IN TRIPLEX TUBE HEAT EXCHANGER” *International Journal of Engineering Research and Technology* ISSN: 2278-0181 Vol. 3 Issue1[January- 2014] .
- 12.K.Naveen, Dr.T.Parameshwaran Pillai, Azhagiri Pon “Experimental Investigation Of Variable Compression Ratio Diesel Engine Using Ziziphus Jujuba Oil”, 2014 *International Journal Of Innovative Research In Science, Engineering And Technology* Vol.03,No.1,PP:156-162.
- 13.M.subramanian Dr. T.parameshwaran Pillai, “Heat Transfer Analysis Of Triplex Tube Heat Exchanger By Ansys” *IJREAT International Journal of Research in Engineering & Advanced Technology*, Volume 2, Issue 3, June-July, 2014 ISSN: 2320 – 8791 (Impact Factor: 1.479).
- 14.K. Mohan Kumar\*, D. Bakkiyaraj, O. Mohmed Adam Iqshan, T. Parameshwaran Pillai “REVIEW PAPER ON PERFORMANCE AND EMISSION EVALUATION OF CI ENGINE USING LINSEED OIL AND DIESEL BLENDS WITH ADDITIVES AS AN ALTERNATE FUEL” *Journal of Chemical and Pharmaceutical Sciences* ISSN: 0974-2115, Issue 6, March 2015, Page 264.

15. K. B. Vijay, E. Naresh Kumar, T. Parameshwaran Pillai "PERFORMANCE ENHANCEMENT OF AIR CONDITIONER" Journal of Chemical and Pharmaceutical Sciences ISSN: 0974-2115, Issue 6: March 2015 Page 244.
16. S.K.Selvam \* and T Parameshwaran Pillai "COMPARATIVE EVALUATION OF PERFORMANCE OF FRICTION STIR WELDING TOOL MATERIALS FOR JOINING ETP COPPER " International Journal of Engineering Research and Science & Technology ISSN 2319-5991 Vol. 2, No. 3, August 2013.
17. Mr. V.M. Illayaraja Muthaiyaa1\*, Dr. T. Parameshwaran Pillai, "Design Optimization of Connecting Rod in Heavy Commercial Vehicles" Journal of Chemical and Pharmaceutical Sciences ISSN: 0974-2115, January- March 2016, Volume 9, Issue 1, Page 116-119.
18. S.Syed Abuthahir, Dr.T.Parameshwaran Pillai, Dr.T.Senthil Kumar, Dr.B.Kumaraguru, Experimental Investigation and Analysis of Incoloy 825 Alloy Process parameter using Taguchi Method International Journal of Engineering Science and Computing Volume 6, Issue No. 6, ISSN 2321 3361, 2016, IJESC Impact factor: 5.611 6745 6751.
19. S.Syed Abuthahir, Dr.T.Parameshwaran Pillai, Dr.T.Senthil Kumar, Dr.B.Kumaraguru, Experimental Investigation and Analysis of GFRP by CNC Milling Process, International Journal of Engineering Science and Computing, Volume 6, Issue No. 6 ISSN 2321 3361, 2016, IJESC Impact factor: 5.611, Page 6757 -6761.
20. Manikandan.C, Dr. T. Parameshwaran Pillai "Experimental Investigation of Temperature Dependent Impact Property of friction stir Welded Al-Alloy" International Journal Engineering science and computing, April 2017, Volume VII, Issue 4, Page 10481-10483, ISSN 2321-3361.
21. Anandakumar.M, Dr. T. parameshwaran Pillai, "Studies on the Effect of TigWelding in Titanium sheet by welding parameters" Journal of global Engineering problems and Solutions April 2017 Volume VII, Issue 4, Page 10491-10493, ISSN 2321-3370.
22. Senthil kumar.M, Dr. T. parameshwaran Pillai, "Evolution and comparison on CFD Simulation of phase change materials(PCMS) in spherical capsule" International of Innovative science and Research Technology, October 2017 Volume II, Issue 10, Page 675- 687, ISSN 2456-2165.

23. Senthil kumar.M, Dr. T.parameshwaran Pillai “Evaluation and Comparison of Phase Change Materials (PCMs) in a Spherical Capsule” International Journal of Engineering Science and Computing, May 2018, Volume 8, Issue 5, Page 17639-17644, ISSN 2321 3361, 2018 IJESC.
25. S.Milkin Sudharson, S.Muthupandi, M.Pavithrana Dr. T.parameshwaran Pillai “Construction of FLD’s on CuZn37(Brass) using Single Point Incremental Forming Technique” International Journal of Innovative Science and Research Technology, March- 2018, Volume 3, Issue 3, Page 432-439, ISSN No:-2456-2165.
26. M.Ajithkumar, S.Balaji, R.Deepaka, Dr. T.parameshwaran Pillai,” Simulation and Experimental Study of Fiber Reinforced Polymer” International Journal of Innovative Science and Research Technology Volume 3, Issue 3, Page 343-353, March- 2018, ISSN No:-2456-216.
27. M. Anthony Kingston<sup>1</sup>, T. Parameshwaran Pillai<sup>2</sup> “Performance Study of Solar Energy Charged Compact PCM Heat Exchanger” International Journal of Research in Engineering, Science and Management Volume-1, Issue-12, December-2018, ISSN: 2581- 5792.
28. M. Anthony Kingston, T. Parameshwaran Pillai, T. Senthil Kumar, An Investigation of Thermal Performance of PCM Heat Exchanger-Experimental and Simulated Analysis” International Journal of Research in Engineering, Science and Management, Volume-2, Issue 3, ISSN : 2581-5792, March 2019, Page 811-815.
29. B.Radha Krishnan, V.Vijayan, T.Parameshwaranpillai “Influence of surface Roughness in Turning process-an Analysis Using Artificial Neural Network” Transaction of the Canadian Society for Mechanical Engineering , Accepted February 12, 2019, 43(4): 509-514, ISSN NO :0315-8977, Impact Factor :0.248.
30. S.Dinesh, T.Parameshwaran Pillai” Modeling of WEDM Process for machining ASTM 2100 steel” Materials Today proceedings, Volume 37, Part 2, 2021, Pages 1103-1106, ELSEVIER Publication.
31. Santhosh Prakash, A & Parameshwaran Pillai, T 2022, ‘Influence of hybrid nanoparticles on the wear behavior of aluminum alloy composites for aerospace applications’, Journal of Industrial lubrication and Tribology, DOI:10.1108/ILT-09-2022-0282, Impact Factor 1.489, Publisher: De Gruyter Germany.
32. Vijayan, S & Parameshwaran Pillai, T 2022, ‘Application of a Machine Learning Algorithm in a Multi Stage Production System’, Transactions of Famena XLVI-1 (2022), vol. 46, no. 1, pp. 91-102, Impact Factor :0.743, ISSN : 2581-5792, Univ Zagreb Fac Mechanical Engineering & Naval Architecture, Croatia.

➤ **List of Seminar / Short Term Course /FDP/ Workshop organized: 1**

1. TEQIP II Sponsored Seven days Faculty Development Programme on “Numerical Simulation and Optimization Techniques in Mechanical Engineering” 19-08.2013-25.08.2013 August 2013 at Anna University, BIT Campus, Trichirappalli.

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

**SCHOOLS PARTICIPATED [18]**

1. AICT Sponsored (FDP) Six Days Faculty Development program ‘Design of Jigs, Fixture and press tools’ 10 to 15 November 2003. Held at Arulmigu Kalasalingam College of Engineering, Srivilliputtur.
2. University Grants Commission Sponsored, UGC-Refresher course 15<sup>th</sup> November to 5<sup>th</sup> December 2004. held at Annamalai University, Chidambaram.
3. IST Sponsored (FDP) Five Days Faculty Development program “Industrial Effluent Treatment Emerging Trends and challenges Ahead “ 11 to 15 June 2012, held at Annamalai University, Chidambaram.
4. Anna University Sponsored (FDP) Eight days Faculty Development program ‘Heat and Mass Transfer’ 17<sup>th</sup> to 24<sup>th</sup> December 2012. Held at Anna University, Tiruchirappallai.
5. AICT Sponsored (SDP) Two week staff Development program me on “Recent Research and Development in Manufacturing Process” 29<sup>th</sup> April to 11<sup>th</sup> may 2013, held at M.A.M college of Engineering, Siruganur, Tiruchirappallai.
6. TEQIP II Sponsored Nine Days Faculty Development Programme on “Research Avenues in Welding Technology” 1-9 August 2013 at Anna University, BIT Campus, Trichirappalli.
7. TEQIP II Sponsored Three days Faculty Development Programme on “Research methodology 27-29 January” 2014 at Anna University, Organized by Indian Society for Technical education (ISTE).
8. TEQIP II Sponsored Two week Faculty Development Programme on “Advanced Manufacturing Process for Automobiles (AMPA” 15) from 20.05.2015 to 02.06.2015 at Department of Automobile Engineering, at Anna University, BIT Campus, Trichirappalli.

9. TEQIP II sponsored Two week Faculty Development Programme on “Thermal Engineering Applications For Sustainable Improvement (TESAI’15)” Department of Mechanical Engineering, University College of Engineering, BIT Campus, Tiruchirappalli, 15th – 28th June 2015.
10. TEQIP II Sponsored Eight Days Faculty Development Programme on at6703 “Automotive Pollution and control “at B.I.T campus from1.06.2016 to 8.06.2016 Anna University, Trichirappalli.
11. TEQIP II Sponsored Two week Faculty Development programme on Numerical Methods and Statical Tools in Engineering from 09.06.2016 to 22.06.2016 at Anna University, Trichirappalli.
12. TEQIP II Sponsored Two week Faculty Development programme on “Advanced Manufacturing Methods and Materials from 22.06.2016 to 06.07.2016 at Anna University, Trichirappalli.
13. Anna University Chennai Sponsored Seven days Faculty Development Program on “Vehicle Dynamics (AT6604)” from 04.12.17 to 10.12.2017 at Department Of Automobile Engineering, University College Of Engineering -BIT Campus Tiruchirappalli.
14. Anna University Chennai Sponsored Two-Week Faculty Development Program on “Strength of Materials for Mechanical Engineering” from 26.11.18 to 09.12.2018 at Department Of Mechanical Engineering, University College Of Engineering Nagercoil.
15. Anna University Chennai Sponsored Six Days Faculty Development Program on “Dynamics of Machines” from 06.05.19 to 11.05.19 at Department Of Mechanical Engineering, University College Of Engineering , BIT Campus Tiruchirappalli.
16. MHRD Govt.of India Sponsored Twelve week Faculty Development Program on “Fundamentals of manufacturing processes” 29 Jul to 18 Oct 2019, Conducted by IIT Roorkee and Received ELITE Certificate.
17. MHRD Govt.of India Sponsored Twelve week Faculty Development Program on “Metrology and Measurements” 29 Jul to 18 Oct 2019, Conducted by IIT Kanpur and Received ELITE Certificate.
18. Anna University Chennai Sponsored Six Days Faculty Development Program on “ Finite Element Analysis” from 02.12.19 to 07.12.2019 at Department Of Mechanical Engineering, University College Of Engineering Nagercoil.

#### **SCHOOLS PARTICIPATED ON LINE [43]**

1. Six Days Faculty Development Program on “Lost Foam Casting” From 20<sup>th</sup>- 25<sup>th</sup> July, 2020 at Sree Chaitanya Collage Of Engineering.(Appreciation).
2. Five Days Faculty Development Program on “Fluid Mechanics And Machinery” on 29<sup>th</sup> June to 03<sup>rd</sup> July, 2020 at Arasu Engineering Collage,Kumbakonam.



3. Six Days Faculty Development Program on “Novel Material And Its Industrial Application” on 13<sup>th</sup> – 18<sup>th</sup> May, 2020 at Karpagam Collage Of Engineering , Coimbatore.
4. Five Days Faculty Development Program on Advanced NDT Techniques & Application In Industry” on 25<sup>th</sup> – 29<sup>th</sup> May, 2020 at Indian Society For Non Destructive Testing, Hyderabad.
5. Five Days Faculty Development Program on “Engineering Thermodynamics” on 20<sup>th</sup> -24<sup>th</sup> July, 2020 at Arasu Engineering Collage,Kumbakonam.
6. Two-Week Faculty Development Program on “Advancement In Mechanical Production & Civil Engineering And ICT In Teaching – Learning Process” on 13<sup>th</sup> - 26<sup>th</sup> May,2020 at Sai Ram Engineering Collage.
7. Five Days Faculty Development Program on “Scientific And Technological Evolution Of Additive Manufacturing In Digital World” on 15<sup>th</sup> -19<sup>th</sup> June,2020 at Government Collage Of Technology, Coimbatore.
8. Six Days Faculty Development Program on “Advancement In Mechanical & Automobile Engineering” on 3<sup>rd</sup> -8<sup>th</sup> August,2020 at Arasu Engineering Collage,Kumbakonam.
9. Six Days Faculty Development Program on “Recent Trends in Hybrid and Electric Vehicle Technologies” (RTHEVT-2020) on 6<sup>th</sup> - 11<sup>th</sup>, July 2020 at Maharaj Vijayaram Gajapathi Raj College of Engineering (A) Vizianagaram, Andhra Pradesh.
10. Five Days Faculty Development Program on “Thrust Areas in Mechanical Engineering” on 27<sup>th</sup> – 31<sup>st</sup> July ,2020 at GEETHANJALI Institute of Science & Technology Nellore, Andhra Pradesh.
11. Six Days Faculty Development Program on “Research Trends In Mechanical Engineering” on 15<sup>th</sup> – 20<sup>th</sup> June,2020 at Gudlavalleru Engineering Collage, Andhra Pradesh.
12. Five Days Faculty Development Program on “ADVANCED MATERIALS AND MANUFACTURING” on 29<sup>th</sup> June to 03<sup>rd</sup> Jul KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, Telangana.
13. Five Days Faculty Development Program on “OpenFOAM” on 29<sup>th</sup> June to 03<sup>rd</sup> July, 2020 at V.K.R, V.N.B & A.G.K College of Engineering, Eluru Road, Gudivada, Krishna District, Andhra Pradesh.

14. Five Days Faculty Development Program on “Recent Research developments in Materials Engineering and Mechanical Design” on 21st - 25th July, 2020 at Vishnu Institute of Technology, Andhra Pradesh.
15. Seven Days Faculty Development Program on “Advancement In Mechanical Engineering” on 4<sup>th</sup> – 10<sup>th</sup> July, 2020 at Gates Institute of Technology, Andhra Pradesh.
16. Six Days Faculty Development Program on “Nanomaterial Synthesis, Process, Characterization and its Functional Applications” on 6<sup>th</sup> – 11<sup>th</sup> July 2020 at Hindusthan College of Engineering and Technology, Coimbatore.
17. Four Days Faculty Development Program on “Solar Energy Applications” on 14<sup>th</sup> - 17<sup>th</sup> July 2020 at Hindusthan College of Engineering and Technology, Coimbatore.
18. Seven days Faculty Development Programme on “Challenges of Sustainable Development-A Global Perspective” Organized by Department of Economics, Sree Devi Kumari Women’s College, Kuzhithurai(PO), Kanayakumari (Dt), Tamilnadu, India From 14<sup>th</sup> to 20<sup>th</sup> September 2020.
19. MHRD Sponsored Five Days Faculty Development Programme on “LaTeX” From 10.08.2020 to 14.08.2020, Organized by University College of Engineering BIT Campus Tiruchirappalli.
20. AICT Sponsored on line Six Days Short Term Training Programme (STTP) on Smart Manufacturing – Opportunitites & Challenges” Organised by Department of Mechanical Engineering from 13<sup>th</sup> July to 18<sup>th</sup> July 2020, St Joseph’s College of Engineering Chennai
21. AICTE Sponsored Six Days Short Term Training Programme on Finite Element Methods Using ANSYS (FEAAS 20) Organised by Department of Mechanical Engineering, University College of Engineering BIT Campus, Tiruchirappalli, From 30.11.2020 to 5.12.2020.
22. AICTE Training and Learning (ATAL) Academ on line Five Days FDP on “Alternate Fuels” from 2020.12.08 to 2020.12.12 at Department of Mechanical Engineering, University College of Engineering BIT Campus, Tiruchirappalli.
23. On line Five days Faculty Development Programme on ME8493-Thermal Engineering at Arasu Engineering Collage, Kumbakonam. From 2020.12.14 to 2020.12.18

24. AICTE Six Days Short Term Training Programme on "Energy and Exergo economics Evaluation of Thermal Power Plants" Organized by Department of Mechanical Engineering, Pragati Engineering College. From 2020.12.21 to 2020.12.26.
25. AICTE Six Days Short Term Training Programme on "3D Printing Technology in Biomedical Field for organ Transplant" Organized by Department of Mechanical Engineering. From 2021.02.22 to 2021.02.27.
26. On line Five days Orientation Programme on GE8292- Engineering Mechanics at Arasu Engineering Collage, Kumbakonam. From 2021.04.26 to 2020.04.30.
27. on line Two Days Faculty Development Programme on Deep Learning for Teaching Organized by Department of Automobile Engineering, Sri Renganather Polytechnic College, Athipalayam-641110. from 17.05.21 to 18.05.2021
28. AICTE Six Days Faculty Development Programme on "Recent Innovations in Design & Manufacturing" Organized by Department of Mechanical Engineering, Malla Reddy Engineering College. From 2021.05.24 to 2021.05.29.
29. AICTE Five Days Faculty Development Programme on " Innovation in Mechanical & Automation Engineering: ISSUES, Challenges and Solutions" Organized by Department of Mechanical & Automation Engineering, Amity University, Jharkhand. From 2021.06.21 to 2021.06.25.
30. Anna University Sponsored on line Six Days Faculty Development Training Programme on "MF8071 Additive Manufacturing" Organized by Department of Mechanical Engineering. Dr.N.G.P.Institute of Technology Coimbatore from 2021.05.24 to 2021.05.29.
31. On line Five days Faculty Development Programme on "Material for Energy and biomedical Applications" Organized by Physics Division Department of Basic Science and Humanities at GMR Institute of Technology Kakinada. From 2021.05.31 to 2021.06.4.
32. Anna University Sponsored on line Six Days Faculty Development Training Programme on "ME8501-Metrology and Measurements" Organized by Department of Mechanical Engineering. University College of Engineering, Thirukkuvalai-610204. From 2021.05.31 to 2021.06.5.
33. On line Five days Faculty Development Programme on "Nano materials- Technologies for Energy & Sensor Applications" Organized by Chemistry Division, Department of Basic Science and Humanities at GMR Institute of Technology Kakinada, Andhra Pradesh, From 2021.06.07 to 2021.06.11.

34. AICTE Six Days Faculty Development Programme on "Recent Innovative Developments in Thermal Engineering" Organized by Department of Mechanical Engineering, Malla Reddy Engineering College. From 2021.06.28 to 2021.07.03.
35. ISTE Approved Two - Weeks Faculty Development Programme on "Advances in FEA using ANSYS 2021 R2" Organized by Department of Mechanical Engineering, Sharad Institute of Technology, College of Engineering, Yadrav Tal-Shirol, Dist - Kolhapur . From 17.08.2021 to 27.08.2021.
36. Two - Weeks online Faculty Development Programme on "Advanced Materials and Manufacturing Technology" Organized by Department of Automobile Engineering, Easwari Engineering College Ramapuram, Chennai. From 27.09.2021 to 08.10.2021.
37. Six Days online Faculty Development Programme on "Recent Trends in Manufacturing Technology and Thermal Engineering" organized by the Department of Mechanical Engineering, Bharath Institute of Higher Education and Research, Chennai from 06th October 2021 to 13th October 2021.
38. Online Six Days Faculty Development Programme (FDP) On "Fabrication, characterization and strengthening mechanism of composites" (13th - 18 th December, 2021) Organized by Department of Mechanical Engineering, AMET Academy of Maritime Education and Training (AMET) 135, East Coast Road, Kanathur - 603112, India.
39. AICTE-ISTE sponsored Eight Days online Induction/Refresher Programme on "Emerging Technological Advancements "(ETA-2021) Organized by Department of Mechanical Engineering, DRIEMS, from 20th -27th December, 2021.
40. AICTE-ISTE sponsored Six Days online Induction/Refresher Programme on "ME8692 FINITE ELEMENT ANALYSIS "Organized by Department of Mechanical Engineering, Dr.N.G.P Institute of Technology, from 3rd -8th January, 2022.
41. On line Five days Faculty Development Programme on "Post COVID Green and Susta" inable Development Practices in Manufacturing Industries" Organized by Department of Mechanical Engineering at CVR College of Engineering ,Hyderabad From 17.01.2022 to 21.01.2022.
42. On line Five days Faculty Development Programme on "Recent Advancements in Electrical Transportation Technologies" Organized by Department of Mechanical Engineering at Vivekananda Institute of Technology, Jaipur ,held from 07.02.2022 to 11.02.2022.
43. On line Six days International Faculty Development Programme on Futuristic Research in Mechanical Engineering Organized by Department of Mechanical Engineering at SRM Institute of Science and Technology Ramapuram Campus Chennai From 08.08.2022 to 13.08.2022

## ONLINE WEBINAR [136]

1. Participated in Webinar on “Research Thrust area in composites” organized by Department of Mechanical Engineering, Arasu Engineering College, kumbakonam on 20.05.2020.
2. Actively Participated in the Webinar on “Recent Advances in the processing of Light Weight Metallic Materials” organized by Department of Mechanical Engineering, Bethlahem Institute of Engineering held on 15.06.2020.
3. Participated in National Level Social Awareness Programme on “Yoga and Natural Way of Living” Organized by University College of Engineering, BIT Campus, Anna University, Tiruchirappalli in association with Rotaract Club of Anna University Tiruchirappalli held on 02.08.2020.
4. Actively Participated in International webinar on “Safety Precautions During Corona Pandemic-Indian perception”, Organized by Chaitanya Deemed to BE University (Engineering), Warangal, TS,India, held on 4th August, 2020.
5. Participated in the Webinar on “Challenges in Metal Additive Manufacturing” held on 29th June, 2020 Organized by Department of Mechanical Engineering, EGS Pillay Engineering College, conducted by Dr. A. Vinoth Jebaraj, Associate Professor, Department of Design and Automation School of Mechanical Engineering, Vellore Institute of Technology.
6. Participated in the International Webinar on “ECO-Friendly Magnesium Technology for Engineering and Bio-Medical Applications” Organized by E.G.S Pillay Engineering college-INDIA, Multimedia University- Malaysia, South Eastern university of Srilanka - Srilanka held on 30 June 2020.
7. Participate in the International Webinar on “Road to Success An Entrepreneurial Journey” held on 14 July 2020, Organized by E.G.S Pillay Engineering College (AUTONOMOUS) and conducted by Mr. Subramania Natarajan, Director & COO, Infoview Technologies.
8. Attended the webinar on “Innovation in Education” Organized by Sri Eshwar College of engineering, Coimbatore on 21 July 2020.
9. Attended the webinar on “Evolving as a Healthy Engineer” Organized by Sri Eshwar College of engineering, Coimbatore on 7 Aug 2020.
10. Attended the webinar on “IN- Built Quality-the Differentiator” Organized by Sri Eshwar College of engineering, Coimbatore on 11 Aug 2020.

11. Actively Participated in the webinar on “Future Trends in Automotive Industry” Organized by Sri Eshwar College of engineering, Coimbatore on 12 Aug 2020.
12. Participated in the Webinar on “Hoe Technology can help in Naac Accreditation Process” Organized by Sri Eshwar College of engineering, Coimbatore on 28 July 2020.
13. Attended the webinar on “Energy and Environment” Organized by Sri Eshwar College of engineering, Coimbatore on 16 July 2020.
14. Participated in the Webinar on “Engineering Optimization-Methods and Applications” Organized by Sri Eshwar College of engineering, Coimbatore on 27 July 2020.
15. Attended the webinar on “An Insight in to Lean-Methodology” Organized by Sri Eshwar College of engineering, Coimbatore on 6 Aug 2020.
16. Participated in the Webinar on “Enhancing Customer Experience Using AI” Organized by Sri Eshwar College of engineering, Coimbatore on 13 Aug 2020.
17. Attended the webinar on “Study Engineering with Learn by Doing Practices” Organized by Sri Eshwar College of engineering, Coimbatore on 14 Aug 2020.
18. Actively Participated in the webinar on “Introduction to Polymers” Organized by Sri Eshwar College of engineering, Coimbatore on 18 Aug 2020.
19. Attended the webinar on “Essential of Electric Vehicles” Organized by Sri Eshwar College of engineering, Coimbatore on 19 Aug 2020.
20. Participated in the Webinar on “IT Network Infrastructure - an Overview” Organized by Sri Eshwar College of engineering, Coimbatore on 5 Aug 2020.
21. Actively participated in National level online technical quiz on “Thermal domain” with a score of 62% Conducted by Department of Mechanical engineering, Geethanjali College of Engineering and Technology held on 27 June 2020.
22. Successfully completed one day webinar on “Nuclear Energy-The inevitable option with Oppourtunities” Organized by Department of Mechanical Engineering , GRT Institute of Engineering and Technology on 17 July 2020.

23. Participated in one day webinar on "Introduction to DOE & TAGUCHI Method" Organized by Department of Mechanical Engineering, GRT Institute of Engineering and Technology on 27 May 2020.
24. Participated in e-seminar on "Role of Hindustan Aeronautics Limited in Indian Defence Sector" on 12-07-2020, at Jayamukhi Institute of Technological Sciences held by Department of Mechanical Engineering.
25. Successfully completed an online quiz on "LET's Design" Conducted by Department of Mechanical Engineering, Holy Mary Institute Of Technology And Science with a score of 70% held on 10 June 2020.
26. Participated in Webinar Series on "The Space Scientists - Mission Adithya", organized by the Jansons Institute of Technology and Galileo Science Club held on 22.07.2020.
27. Actively participated in Online Webinar "Developing Mathematical Model for Solar Thermal System" on 28-05-2020, organized by Department of Mechanical Engineering, Jansons Institute of Technology, Coimbatore.
28. Successfully Participated in the webinar on "Productivity in Automotive Product Development" organized by MECON Association & SAEKRCT collegiate club in K.Ramakrishna college of Technology held on 23 may 2020.
29. Successfully completed an online quiz on "Fluid Mechanics", organized by Department of Mechanical Engineering, Kallam Haranad hareddy Institute of Technology, Guntur, A.P., conducted during 02nd- 05th July, 2020 and secured a score of 100%.
30. Successfully completed an online quiz on "Automobile Engineering", organized by Department of Mechanical Engineering, Kallam Haranadhareddy Institute of Technology, Guntur, Andhra Pradesh, India conducted during 26th - 28th June, 2020 and secured a score of 100%.
31. Actively participated in the webinar entitled "Research Oppurtunities in Welding Cosumables" organized by Centre for production and service facility (CPSF) and Department of Mechanical Engineering held on 26 July 2020.
32. Attended a webinar on "Future Scope of Electrical Vehicle" Organised by the Department of Mechanical Engineering, Karpagam institute of Technology, Coimbatore on 23 May 2020.

33. Successfully completed 3 days online assessment course on “Level Up Your Proficiency in Mechanical Engineering” organized by Department of Mechanical engineering from 13 -15 May 2020 by Mahendra Institute of Technology.
34. Successfully Participated in the National level webinar on “Role of Bearings in Engineering Applications-Design Perspective” organized by the Department of Mechatronics Engineering, Mahendra College of Engineering held on 20 June 2020.
35. Attended National Level Webinar on "Basics of Waste Water Treatment" Organized by the Department of Civil Engineering, Noorul Islam Centre for Higher Education on 24 July 2020.
36. Successful completed of "NAAC Awareness Programme for Faculty" organized by Marathwada Mitra Mandal Institute of Technology (MMIT), Lohgaon, Pune - 47 conducted online during the period 08/05/2020 to 14/05/2020.
37. Actively participated in the webinar on “Research Challenges in Surface Engineering” organized by Department of Mechanical Engineering, Narayanaguru College of Engineering, Manjalumoodu on 23 June 2020.
38. Successfully participated and scored 93% in online awareness quiz on “World Hepatitis Day” organized by National Service Scheme & Youth Red Cross, Jansons Institute of Technology, Coimbatore between 28th - 31st July, 2020.
39. Participated actively and performed excellently in the National Quiz titled “COVID-19” on 1 May 2020 organized by the IQAC and Current Affairs Club, Pioneer Kumaraswamy College, Nagercoil.
40. Successfully participated with an excellent performance of Online Quiz in “Power Plant Engineering” organized by Department of Mechanical Engineering, Sankar Polytechnic College held in the month of July 2020.
41. Successfully completed online Quiz on "Machine Tools" Organized by Department of Mechanical Engineering, Sree Visvesvaraya Institute of technology and science on 22 July 2020 with Score of 95%.
42. Successfully participated, passed and secured 44% in Online Quiz on “Heat Transfer”, organized by Department of Mechanical Engineering, Kakatiya Institute of Technology & Science, Warangal on 11 July 2020.



43. Participated in Online quiz on “Lost Foam Casting” A One-Week Online Faculty development program (LFC-2020) from 20 July to 25 July 2020 with a passing score of 88% Organized by Department of Mechanical Engineering, Sri Chaitanya College of Engineering, TS.
44. Participated and Performed in the Online National Level Quiz on “Engineering Mechanics & Design of Machine Elements” organized by the Department of Mechanical Engineering, Chaitanya (Deemed to be University) on 29th& 30th July 2020.
45. Successfully completed an online quiz on “Managerial Ethics” Organized by Department of Electronics and communication Engineering on 8 July 2020 with a score of 96%.
46. Successfully passed in the “Quiz on Machine Tools” in a National Online Technical Quiz Series in “Production & Industrial Engineering Module” organized by the Robotics Club, Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna (Dt.), Andhra Pradesh, India conducted on 8/2/2020 and secured a score of 100%.
47. Participated and performed excellent in an online assessment quiz on “STRENGTH OF MATERIAL” organized by Department of Civil Engineering , VKR, VNB & AGK College of Engineering, Gudivada, Krishna District, Andhra Pradesh, India conducted during the period of 20 July to 26 July 2020.
48. Participated and obtained a score of 100% in online “Auto Quiz 2020 Series 3 – BS-6 Special” Organized by Department of Mechanical Engineering, SRM Institute of Science and Technology, Vadapalni Campus, Chennai held on 20 Aug 2020.
49. Successfully completed online Quiz on “General Chemistry” with a score of 84% organized by Department of Chemistry, Chaitanya (Deemed to be University), TS on 11& 12Aug 2020.
50. Successfully attended the quiz on “Thermal Engineering –I” Organized by Department of Mechanical Engineering, Nadimpalli Satyanarayana Raju Institute of Technology, Vishakapatnam held on 28 July 2020.
51. Successfully completed Online Quiz on “Empowerment of Women” conducted by Women Empowerment Cell, Tirumala Engineering College from 18th July to 20th July , 2020.

52. Successfully Completed National level online Quiz on “Engineering Thermodynamics” Organized by Mechanical Department, Gopi Krishna College of Engineering and Technology, Orissa from 8 Aug to 16 Aug 2020 with a passing score of 84%.
53. Actively Participate in the Webinar on “Digital Marketing Careers: The Never ending Trend” Organized by Regenesys Institute of Management on 30 July 2020.
54. Attended the webinar on “3D Printing and its Applications” Organized by Department of Mechanical engineering of RMK college of Engineering and Technology in association with MEA on 30 May 2020.
55. Attended the online lecture on “Overview of Design and Development of Automotive Products” Presented by Mr.M.D.Dinakaran ,Staff engineer, R&D Department Illumina Singapore Pvt Ltd Organized by department of Mechanical engineering of RMK college of Engineering and technology in association with ISTE Chapter on 28 July 2020.
56. Actively participated in webinar on “Arduino Everywhere “ presented by Mr.S.Saravanan , M.E.(PhD) Assistant Professor, Department of Electrical and Electronics Engineering, AAA College of Engineering ,Sivakasi on 14 May 2020.
57. Actively Participate in the webinar on “Art of Technical Paper Writing” Presented by Dr.K. Ravi Kumar, Professor, Department of Mechanical Engineering Dr.N.G.P. Institute of Technology, Coimbatore on 4 May 2020.
58. Participated in a Webinar on “Insights to Industry 4.0” on 29 May 2020, Organized by Department of Mechanical Engineering, S.A. Engineering College (Autonomous), Chennai.
59. Actively Participated in the Technical Webinar on “Skills Sets to Meet Industrial Need” Organized by Department of Mechanical Engineering, SACS MAVMM Engineering College on 15 July 2020.
60. Actively Participated and Got 100% score in the Quiz Competition on “Manufacturing Technology” Organized by Department of Mechanical Engineering, Sri Sai Ram Engineering College, Chennai held from 7 July to 8 July 2020.
61. Participated in a Webinar on “Design of Robots” on 1 Aug 2020, Organized by Department of Mechanical Engineering, S.A. Engineering College (Autonomous), Chennai.

62. Actively Participated in the webinar on “Shape Memory Alloys for Micro Mechatronics and Soft Robotic Systems” Organized by School of Mechanical Engineering, Sathyabama Institute of Science and Technology, Chennai on 10 June 2020.
63. Participated in National level Quiz on “Fundamental of Manufacturing Technology” organized by the Department of Mechanical Engineering, Syed Ammal Engineering College, Ramanathapuram, Tamilnadu. held on 01 JULY 2020.
64. Participated in National level Quiz on “Fundamental of Metrology Measurement” organized by the Department of Mechanical Engineering, Syed Ammal Engineering College, Ramanathapuram, Tamilnadu. held on 30 JUNE 2020.
65. Successfully Passed in State Level Online Quiz on “Fluid Mechanics and Fluid Power” Conducted by Department of Mechanical Engineering, Sankara Polytechnic college in the month of JUNE 2020.
66. Successfully Passed in State Level Online Quiz on “Computer Aided Design” Conducted by Department of Mechanical Engineering, Sankara Polytechnic college in the month of JUNE 2020.
67. Successfully Participated in the webinar on “Solar Energy Technologies” Conducted by Department of Mechanical Engineering, Chalapathi Institute of Engineering And Technology on 4 JULY 2020.
68. Actively Participated in the webinar on “Design of Experiments For Practising Engineers” Delivered by Mr. Parthiban M.D., Fishers Pump Pvt Ltd ,Organized by Sri Krishna College of Technology on May 2 2020.
69. Participated in the webinar titled “Computer Vision For AI Applications” presented by Mr. J. Joshan Athanesious, Vision Engineer, Smart Ant Technologies, Chennai Organized by Sri Ramakrishna Institute of Technology held on 26th May 2020.
70. Participated in the webinar on “Vision Zero for Manufacturing Industries” Conducted on 27 May 2020 by Department of Mechanical Engineering, SRM TRP Engineering College.
71. Participated in the webinar on “Aircraft Mechanical System” Conducted on 27 May 2020 by Department of Mechanical Engineering, SRM TRP Engineering College, Trichy.

72. Participated in Webinar on “Incremental Sheet Metal Forming” Organized by Department of Mechanical Engineering in association with Institution’s Innovation Council, SRM Institute of Science and Technology Ramapuram campus, Chennai on 30 June 2020.
73. Participated in the webinar on “Carriers in Oil and Gas Industry–An Overview” Conducted on 27 May 2020 by Department of Mechanical Engineering, SRM TRP Engineering College, Trichy.
74. Participated in the webinar on “An Overview of CFD and its Applications” Conducted by Department Of Mechanical Engineering, Karpagam Institute of Technology on 8 Aug 2020.
75. Participated in National level Quiz on “Surveying -Science of Measurements” During Covid-19 held on July 10 to July 12 2020 and scored 100%, Organized by Department of Civil Engineering, Mandsaur University.
76. Participated in Faculty Development Programme on “CFD Simulation of Thermal Management of Batteries and Power Conductors”, Organized by Department of Mechanical Engineering, Vel Tech High Tech Dr.Rangarajan Dr.Sakunthala Engineering College on 28 May 2020.
77. Participated and Performed in an online assessment Quiz on “Estimation Specifications & Contracts” Organized by Department of Civil Engineering, VKR, ANB & AGK College of Engineering Conducted during the period of 24 July 2020 to 31 July 2020.
78. Participated and Performed in an online assessment Quiz on “Machine Drawing” Organized by Department of Mechanical Engineering, VKR, ANB & AGK College of Engineering Conducted during the period of 23 July 2020 to 26 July 2020.
79. Participated and Performed in an online assessment Quiz on “Referegiration and Air-Conditioning” Organized by Department of Mechanical Engineering, VKR, ANB & AGK College of Engineering Conducted during the period of 25 July 2020 to 30 July 2020.
80. Participate and Completed One Day Online Workshop on “Listing for Leaders Strategic Communication” Conducted by Thermodynamics on 28 July 2020.
81. Actively Participated in the webinar on “Applications of Environmental Isotopes” Organized by Department of Chemistry, Arasu Engineering College, Kumbakonam on 29 Jan 2021 through online pedagogy.

82. Successfully Participated in the webinar on “Utility of N-HALO Compounds in Chemistry Research” Organized by Department of Chemistry and Research Committee, Arasu Engineering College, Kumbakonam on 06 Jan 2021 through online pedagogy.
83. Participated in the webinar on “How to do Research in Mathematics” Organized by Department of Mathematics and Research Committee, Arasu Engineering College, Kumbakonam on 08 Jan 2021 through online pedagogy.
84. Actively Participated in the webinar on “Importance of Intellectual Property (IPR) and Filing” Organized by Department of Chemistry and Research Committee, Arasu Engineering College, Kumbakonam on 12 Jan 2021 through online pedagogy.
85. Successfully attended the webinar on “Digital Tools to Develop Communication Skills” by Dr. V. Rajasekaran, Assistant Professor (Senior) in English, VIT University Chennai, Organized by Department of English, Arasu Engineering College, Kumbakonam on 22 Jan 2021 through online pedagogy.
86. Actively Participated in the webinar on “Environment and Cancer” Organized by Department of Chemistry, Arasu Engineering College, Kumbakonam on 03 Jan 2021 through online pedagogy.
87. Actively Participated in the webinar on “Soft Skills are Life Skills” Organized by Department of English, Arasu Engineering College, Kumbakonam on 10 Jan 2021 through online pedagogy.
88. Actively Participated in the Guest Lecture on “Overview on Advancement in Renewable Energy – A Fundamental Numerical Talk” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 27 Feb 2021 through online pedagogy.
89. Actively Participated in the webinar on “A Day with Polymer” Organized by Department of Chemistry, Arasu Engineering College, Kumbakonam on 20 Feb 2021 through online pedagogy.
90. Actively Participated in the webinar on “Natural Dyes: An Alternative Source for Synthetic Dyes” Organized by Department of Chemistry and Research committee, Arasu Engineering College, Kumbakonam on 29 Dec 2020 through online pedagogy.

91. Actively Participated in two days online workshop on “Instructional Strategies for Effective Online Teaching of Engineering Graphics” Organized by Department of Mechanical Engineering on 5 & 6 Dec 2020.
92. Actively Participated in the webinar on “Formability of Steels” Organized by Department of Mechanical Engineering and Research Committee, Arasu Engineering College, Kumbakonam on 04 Jan 2021 through online pedagogy.
93. Successfully attended the webinar on “BUILDING A SUCCESSFUL RESEARCH CAREER IN ACADEMIA” Organized by Sri Eshwar College of engineering, Coimbatore on 27 Aug 2020.
94. Actively Participated in the webinar on “Piping Process Plant Engineering” Organized by Department of Mechanical Engineering and Research Committee, Arasu Engineering College, Kumbakonam on 29.04 .2021 through online pedagogy.
95. Actively Participated in the webinar on “Translation An-Inevitable Creative Transformation” Organized by Department of English an, Arasu Engineering College, Kumbakonam on 30.04.2021 through online pedagogy.
96. Actively Participated in the webinar on “Casting and Forging for Aerospace – Challenges and HAL Contributions” Organized by Department of Mechanical Engineering and, CARE College of Engineering, Trichy on 05.05.2021 through online pedagogy.
97. Actively Participated in the webinar on “Digital Manufacturing and Industry 4. 0” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 10.05.2021 through online pedagogy.
98. Actively Participated in the webinar on “Advancements in Friction Stir Spot Welding on Dissimilar Materials” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 11.05.2021 through online pedagogy.
99. Actively Participated in the webinar on “Cardiovascular Fluid Mechanics: A Multidisciplinary Research” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 12.05.2021 through online pedagogy.
100. Actively Participated in the webinar on “Importance of Machine learning & Artificial Intelligence in Smart Materials” Organized by Department of

Mechanical Engineering, Arasu Engineering College, Kumbakonam on 13.05.2021 through online pedagogy.

101. Actively Participated in the webinar on “Automotive Suspension Systems” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 14.05.2021 through online pedagogy.
102. Actively Participated in the webinar on “Additive Manufacturing – Experimental and Numerical Approach” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 15.05.2021 through online pedagogy.
103. Actively Participated in the webinar on “Design and Analysis of All Terrain Vehicles” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 16.05.2021 through online pedagogy.
104. Actively Participated in the webinar on “Solar Still” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 17.05.2021 through online pedagogy.
105. Actively Participated in the webinar on “Research Article Writing” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 18.05.2021 through online pedagogy.
106. Actively Participated in the webinar on “Tribological Behavior of Magnesium Metal –Metal Composites” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 18.05.2021 through online pedagogy.
107. Actively Participated in the webinar on “Plastics Injection Mould Design and Development” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 19.05.2021 through online pedagogy.
108. Actively Participated in the webinar on “Micro Siting in Renewable Energy Sources” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 20.05.2021 through online pedagogy.
109. Actively Participated in the webinar on “Super Alloys and Their Importance” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 20.05.2021 through online pedagogy.
110. Actively Participated in the webinar on “Application of Heat in Automotive and Mechanical Systems” Organized by Department of Mechanical

Engineering, Arasu Engineering College, Kumbakonam on 22.05.2021 through online pedagogy.

111. Actively Participated in the webinar on “Performance and Analysis of dye-Sensitized Solar Cell (DSSC)” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 23.05.2021 through online pedagogy.
112. Actively Participated in the webinar on “Potential multi fold of Additive Manufacturing in India with Business Case Study” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 24.05.2021 through online pedagogy.
113. Actively Participated in the webinar on “Foundation of Computational Fluid Dynamics” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 25.05.2021 through online pedagogy.
114. Actively Participated in the webinar on “BioFuels” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 26.05.2021 through online pedagogy.
115. Actively Participated in the webinar on “Advanced Engineering Materials” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 27.05.2021 through online pedagogy.
116. Actively Participated in the webinar on “Polymer Composites and its Applications” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 28 .05.2021 through online pedagogy.
117. Actively Participated in the webinar on “Role and Impact of Entrepreneurship to Students” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 30 .05.2021 through online pedagogy.
118. Actively Participated in the webinar on “Machinability of Composites” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 31 .05.2021 through online pedagogy.
119. Actively Participated in the webinar on “Aerodynamics of Automobiles” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 01 .06.2021 through online pedagogy.
120. Actively Participated in the webinar on “Composite Materials in Space Applications and collaborative Robotic Inspections” Organized by



Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 3.06.2021 through online pedagogy.

121. Actively Participated in the webinar on “Introduction to Industry 4.0 & Industrial IOT” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 4.06.2021 through online pedagogy.
122. Actively Participated in the webinar on “Application of CAE in Mechanical and Automotive Engineering” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 5.06.2021 through online pedagogy.
123. Actively Participated in the webinar on “Automotive Product Manufacturing Process & Its QMS Requirements” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 6.06.2021 through online pedagogy.
124. Actively Participated in the webinar on “Cognitive and Personal Dimensions of Cyber Learning” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 7.06.2021 through online pedagogy.
125. Actively Participated in the webinar on “Nano Mechanical Testing: Theory and Applications” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 8.06.2021 through online pedagogy.
126. Actively Participated in the webinar on “CVD &PVD Coating Techniques and Coating Characterization” Organized by Department of Mechanical Engineering, Mohamed Sathak A J College of Engineering, Chennai on 8.06.2021 through online pedagogy.
127. Actively Participated in the webinar on “Convolution Neural Network for Image Classification” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 10.06.2021 through online pedagogy.
128. National Seminar on “Development of Functionally Grades Material through Directional Solidification” Organized by Department of Mechanical Engineering R.R.Institute of Technology,Bengaluru,Karnataka on 11.06.2021 through online pedagogy.
129. Actively Participated in the webinar on “Electric Vehicle Trends and Opportunities” Organized by Department of Mechanical Engineering,

Sathyabama Institute of science and Technology, Chennai on 12.06.2021 through online pedagogy.

130. Actively Participated in the webinar on “Industrila Design to Product by Additive Manufacturing” Organized by Department of Mechanical Engineering, Sri Ramakrishna Institute of Technology, Coimbatore-641010.
131. Actively Participated in the webinar on “Friction Welding and Allied Processes” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 27.01.2022 through online pedagogy.
132. Actively Participated in the webinar on “Strategies to Enhance Communicative Competence” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 03.02.2022 through online pedagogy.
133. Actively Participated in the webinar on “Building Bridges Through Positive Communication” Organized by Department of Mechanical Engineering, Arasu Engineering College, Kumbakonam on 22.02.2022 through online pedagogy.
134. Actively Participated in the webinar on “Thermal Managent of Building” Organized by Department of Mechanical Engineering, Sathyabama institute of science and Technology, Chennai on 13.12.2021 through online pedagogy.
135. Actively Participated in the webinar on “Marvals of Indian Metallurgy from the bygone era” Organized by Department of Mechanical Engineering, K.S.Institute of Technology,Bangalore on 16.03.2022
136. Actively Participated in the webinar on “Spray Casting: A Processing Method to Fabricate Alloys with Superior Metallurgical Featares “Organized by Department of Mechanical Engineering, K.S.Institute of Technology,Bangalore on 27.04.2022.

## **QUIZ CERTIFICATES [11]**

1. Successfully participated and scored 93% in online awareness quiz on “WORLD HEPATITIS DAY” organized by National Service Scheme & Youth Red Cross, Jansons Institute of Technology, Coimbatore between 28th - 31st July, 2020.
2. Successfully participated with an excellent performance of Online Quiz in “POWER PLANT ENGINEERING” organized by Department of Mechanical Engineering, Sankar Polytechnic College held in the month of July 2020.

3. Participated actively and performed excellently in the National Quiz titled "COVID-19" on 1 May 2020 organized by the IQAC and Current Affairs Club, Pioneer Kumaraswamy College, Nagercoil.
4. Successfully completed online Quiz on "MACHINE TOOLS" Organized by Department of Mechanical Engineering, Sree Visvesvaraya Institute of technology and science on 22 July 2020 with Score of 95%.
5. Successfully participated, passed and secured 44% in Online Quiz on "HEAT TRANSFER", organized by Department of Mechanical Engineering, Kakatiya Institute of Technology & Science, Warangal on 11 July 2020.
6. Participated and Performed in the Online National Level Quiz on "Engineering Mechanics & Design of Machine Elements" organized by the Department of Mechanical Engineering, Chaitanya (Deemed to be University) on 29th& 30th July 2020.
7. Successfully passed in the "Quiz on Machine Tools" in a National Online Technical Quiz Series in "Production & Industrial Engineering Module" organized by the Robotics Club, Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna (Dt.), Andhra Pradesh, India conducted on 8/2/2020 and secured a score of 100%.
8. Participated and performed excellent in an online assessment quiz on "STRENGTH OF MATERIAL" organized by Department of Civil Engineering, VKR, VNB & AGK COLLEGE OF ENGINEERING, Gudivada, Krishna District, Andhra Pradesh, India conducted during the period of 20 July to 26 July 2020.
9. Successfully attended the quiz on "Thermal Engineering -I" Organized by Department of Mechanical Engineering, Nadimpalli Satyanarayana Raju Institute of Technology, Vishakapatnam held on 28 July 2020.
10. Successfully completed Online Quiz on "Empowerment of Women" conducted by Women Empowerment Cell, Tirumala Engineering College from 18th July to 20th July, 2020.
11. Successfully Completed National level online Quiz on "Engineering Thermodynamics" Organized by Mechanical Department, Gopi Krishna College of Engineering and Technology, Orissa from 8 Aug to 16 Aug 2020 with a passing score of 84%.

## **APPRECIATION CERTIFICATES [7]**

1. Participated in Online quiz on “LOST FOAM CASTING”, A One-Week Online Faculty development program (LFC-2020) from 20 July to 25 July 2020 with a passing score of 88% Organized by Department of Mechanical Engineering, Sri Chaitanya College of Engineering, TS.
2. Successfully completed an online quiz on “MANAGERIAL ETHICS” Organized by Department of Electronics and communication Engineering on 8 July 2020 with a score of 96%.
3. Successfully passed in the “QUIZ ON MACHINE TOOLS” in a National Online Technical Quiz Series in “Production & Industrial Engineering Module” organized by the Robotics Club, Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram, Krishna (Dt.), Andhra Pradesh, India conducted on 8/2/2020 and secured a score of 100%.
4. Participated and performed excellent in an online assessment quiz on “STRENGTH OF MATERIAL” organized by Department of Civil Engineering, VKR, VNB & AGK COLLEGE OF ENGINEERING, Gudivada, Krishna District, Andhra Pradesh, India conducted during the period of 20 July to 26 July 2020.
5. Participated and obtained a score of 100% in online “AUTO QUIZ 2020 Series 3 – BS-6 Special” Organized by Department of Mechanical Engineering, SRM Institute of Science and Technology, Vadapalni Campus, Chennai held on 20 Aug 2020.
6. Successfully completed online Quiz on “GENERAL CHEMISTRY” with a score of 84% organized by Department of Chemistry, Chaitanya (Deemed to be University), TS on 11& 12Aug 2020.
7. Successfully completed Online Quiz on “EMPOWERMENT OF WOMEN” conducted by Women Empowerm Cell, Tirumala Engineering College from 18th July to 20th July , 2020.

## **WORKSHOP PARTICIPATED [7]**

1. Three days’ workshop on Application of Nuclear Energy Organized by Tamilnadu Science and Technology and Sponsored by Department of Atomic Energy, Government of India at Jayamatha Engineering College.
2. Two days’ workshop on “Application of Neural network and Fuzzy logic in Product Development” at Jayamatha Engineering College.

3. Two days' workshop on Composite Material under TEQIP Community Service on 29<sup>th</sup> and 30<sup>th</sup> September, 2006 at National Institute of Technology Tiruchirappallai.
4. One day workshop on Recent trends in welding process at Anna university, Tiruchirappallai.
5. One day workshop on Engineering Graphics at Bavender barathithasan engineering college.
6. Science Academics sponsored Two-day Lecture Workshop on "RECENT ADVANCES IN MATERIALS CHEMISTRY" March 7&8, 2014, Anna University, BIT campus, Tiruchirappalli.
7. TEQIP II Sponsored Two days workshop on "Automotive Materials" from 18.02.2016 to 19.02.2016 Organised by Department of Automobile Engineering, at Anna University, BIT Campus, Trichirappalli.

### **NATIONAL SEMINAR**

1. National Seminar on "Development of Functionally Grades Material through Directional Solidification" Organized by R.R.Institute of Technology, Bengaluru, Karnataka

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

### **PAPERS PRESENTED NATIONAL CONFERENCE [19]**

1. **T. Parameshwaranpillai<sup>1</sup>** and P.R. Lakshminarayanan 'Fracture toughness analysis of M250 grade Maraging steel sheet material by FEM' Feb 2005.
2. **T. Parameshwaranpillai<sup>1</sup>** and P.R. Lakshminarayanan 'Production and processing of Composite materials' 'Fracture mechanics of MMC through FEM' 27 Nov 2004.
3. **T. Parameshwaranpillai<sup>1</sup>** and P.R. Lakshminarayanan Modeling and simulation in Manufacturing 'Fracture toughness analysis using Finite element analysis' Mar 2006.
4. **T. Parameshwaranpillai<sup>1</sup>** and P.R. Lakshminarayanan Fabrication and processing of composite and light material 'Fracture testing and Finite element modeling of Aluminum composition' August 2004.

5. **T.parameshwaran pillai**<sup>1</sup> and P.R. Lakshminarayanan “FRACTURE TOUGHNESS OF METAL MATRIX COMPOSITE” 8<sup>th</sup> and 9<sup>th</sup> April 2011 in Anna University Trichy.
6. S.K.Selvam **Dr. T.parameshwaran Pillai**. “Performance of heavy alloy Tool In Friction Stir Welding”.27<sup>th</sup> Feb 2013 in Kumarasamy Engineering College.
7. V.POZHILARASU **Dr. T.parameshwaran Pillai**, “Performance Analysis of steel and composite Leaf spring” 27<sup>th</sup> Feb 2013 in Kumarasamy Engineering College.
8. V.POZHILARASU **Dr. T.parameshwaran Pillai** i “Comparison of performance Of glass fibre reinforced plastic leaf spring with steel leaf spring” Annamalai University, March-2013.
9. S.K.Selvam **Dr. T.parameshwaran Pillai** , , “Analysis of heavy alloy tool in friction stir Welding” Annamalai University. March-2013.
10. **Dr. T.parameshwaran Pillai** Taguchi’s Approach Performance Analysis of Steel and composite Leaf spring” March 2013 in Angalaman Engineering College, Tiruchirappallai.
11. **Dr. T.parameshwaran Pillai** Heat Recovery Analysis of Steel and composite Leaf Spring” March 2013.
12. **Dr. T.parameshwaran Pillai** “Design and Analysis of steel chimney with difference flue gas Opening”.
13. **Dr. T.parameshwaran Pillai** “Design and analysis of Track Fork modification in Bucket Wheel Excavator”.
14. S.subramanian, **Dr. T.parameshwaran Pillai** “ANALYSIS OF HEAT TRANSFER DURING THE MELTING OF A PHASE-CHANGE MATERIAL IN TRIPLEX TUBE HEAT EXCHANGER”25,26 Feb 2014 at Anna University Chennai.
15. **Dr.T.Parameshwaranpillai**” Study and Analysis of Reduction in Repair Level in Orbital TIG Welding” TIQIP II SAE INDIA Sponsored National conference on Innovations in Engineering Design29-30 PP 204-207 April2014 Annauniversity Tiruchirappalli .
16. **Dr.T.Parameshwaranpillai** Optimization of Machining Parameters in Drilling Al Alloy using Taguchi and ANNOVA Approach” TIQIP II SAE INDIA Sponsored National conference on Innovations in Engineering Design29-30 PP 213-217 April 2014 Annauniversity Tiruchirappalli.

17. **Dr.T.Parameshwaranpillai** "Design and Fabrication of Savonius Vertical Axis Wind Turbine" TIQIP II SAE INDIA Sponsored National conference on Innovations in Engineering Design 29-30 PP 304-307 April 2014 Anna University Tiruchirappalli.
18. **Dr.T.Parameshwaranpillai** "Design and Analysis of Four Arms Portable Auto Jack "TIQIP II Sponsored National conference Engineering Design and Analysis . organized by Department of Automobile Engineering BIT Campus, Anna University, Trichy From 02 September to 03 September 2016.
19. Mr. V.M. Illayaraja Muthaiyaa<sup>1\*</sup>, **Dr. T. Parameshwaran Pillai** Eliminating the backward shifting of tailstock in the camshaft journal turning machine (national conference) Department of Automobile Engineering BIT Campus, Anna University, Trichy.

#### **PAPERS PRESENTED IN INTERNATIONAL CONFERENCE [12]**

1. N.Naveen ,T. Parameshwaranpillai, "EXPERIMENTAL INVESTIGATION OF VARIABLE COMPRESSION RATIO DIESEL ENGINE USING ZIZIPHUS JUJUBA OIL" International conference ICIET-14, K.L.N College of Engineering.
- 2 K. Mohan Kumar, D. Bakkiyaraj, O. Mohamed Adam Iqshan, T. Parameshwaran Pillai, Review Paper on Performance and Emission Evaluation of CI Engine Using Linseed Oil and Diesel Blends With Additives as an Alternate Fuel, International Conference on Energy Efficient Technologies For Automobiles (EETA' 15) March 20, 21.03.2015 Department of mechanical engineering, University College of engineering, BIT Campus, Anna University, Trichy, India.
3. K. B. Vijay, E. Naresh Kumar, T. Parameshwaran Pillai, Performance Enhancement of Air Conditioner, International Conference on Energy Efficient Technologies For Automobiles (EETA' 15) March 20, 21.03.2015, Dept. of Mechanical Engineering. Anna University Chennai (BIT Campus), Tiruchirappalli - 24.
4. Mr. V.M. Illayaraja Muthaiyaa<sup>1</sup>, Dr. T. Parameshwaran Pillai, Dr.G.Elatharasan, Design Optimization of Connecting Rod in Heavy Commercial Vehicles, BIT Campus, Anna University, Trichy.
5. Mr. V.M. Illayaraja Muthaiyaa<sup>1\*</sup>, Dr. T. Parameshwaran Pillai "Eliminating the Backward shifting of tailstock in the camshaft journal turning machine" Department of Automobile Engineering BIT Campus, Anna University, Trichy.
6. Sudalaimani, G. Srilakshmanan, S. Sivakumar And T. Parameshwaran Pillai "Characterisation And Welding Processes Of Duplex Stainless Steels<sup>1</sup>" International Conference on Newer Engineering Concepts and Technology, ICONNECT, Department of

Mechanical Engineering March 28th & 29th, 2017, K. Ramakrishnan College of Technology, Samayapuram, Tiruchirappalli-621 112, Tamilnadu, India

7. Senthil kumar.M, Dr. T.parameshwaran Pillai “Evaluation and Comparison of Phase Change Materials (PCMs) in a Spherical Capsule” International Journal of Engineering Science and Computing, May 2018, Volume 8, Issue 5, Page 17639- 17644, ISSN 2321 3361 , 2018 IJESC.

8. S.Milkin Sudharson, S.Muthupandi, M.Pavithrana, Dr. T.parameshwaran Pillai “Construction of FLD’s on CuZn37(Brass) using Single Point Incremental Forming Technique” International Journal of Innovative Science and Research Technology, March– 2018, Volume 3, Issue 3, Page 432-439, ISSN No:-2456-2165.

9, M.Ajithkumar, S.Balaji, R.Deepaka, Dr.T.Parameshwaranpillai,” Simulation and Experimental Study of Fiber Reinforced Polymer” International Journal of Innovative Science and Research Technology Volume 3, Issue 3, Page 343-353, March– 2018 ISSN No:-2456-2165.

10. Dr.T.Parameshwaan Pillai, Azhagiri Pon, Mahendravaman R, “Optimization Of Machining Parameters in Drilling Al Alloy Using Taguchi and ANOVA Approach”, TEQIP II & SAEINDIA sponsored National conference on Innovations in Engineering Design, NIED14 held at Department of Automobile Engineering, University College of Engineering(BIT Campus),Tiruchirappalli during 29-30 April 2014, pp.213-217. (ISBN:978-81-921-1286-2)

11. Dr.T.Parameshwaan Pillai, Azhagiri Pon, Arunpandian A, “Study And Analysis Of Reduction in Repair Level in Orbital TIG Welding”, TEQIP II & SAEINDIA sponsored National conference on Innovations in Engineering Design, NIED14 held at Department of Automobile Engineering, University College of Engineering(BIT Campus),Tiruchirappalli during 29-30 April 2014, pp.204-207. (ISBN:978-81-921-1286- 2)

12. Dr.T.Parameshwaan Pillai has presented a paper entitled “Structural And Optical Properties of Fe-Zr Alloys Prepared By Simple Mechanical Alloying Method” in a Virtual International Conference on “Latest Trends in Materials and Mechanical Engineering (LTIMME 22)” organized by the Department of Mechanical K.Ramakrishnan College of Engineering,Samayapuram Trichy from 28th to 29th April 2022.

➤ **Professional recognitions: (details like chairperson/member of a committee, reviewer, editor ...etc)**

➤ Journal of Applied Mechanics and Materials by TransTech publication, Switzerland.

➤ International Journal of Rapid Manufacturing (IJRAPIDM) <http://www.inderscience.com/ijrapidm> . [submissions@inderscience.com](mailto:submissions@inderscience.com)



(A) Chairperson for conferences / Seminar / Technical symposia: **3**