

**SRI SAI RAM ENGINEERING COLLEGE**

**DEPARTMENT OF MECHANICAL and AUTOMATION ENGINEERING**

Name: Dr. N.Mani	
Designation:	Professor
Qualification:	B.E.,M.E.,Ph.D
Area of Specialization:	Design, Fracture Mechanics
Experience:	Teaching- 25 years 10 months
	Industry – 02 years
No. of workshop / Conferences / FDP attended :	15/13/15
No. of workshop / Conferences / FDP organised:	15/02/05
Funded Projects	04
Publication:	<b>Journal:</b> National : 01 <b>International : 21</b>
	<b>Conferences:</b> National: 02 <b>International: 11</b>
	<b>Book Chapter - 01</b>
Patent Details	1. METHOD AND APPARATUS FOR CONTROLLING VEHICLE TO AVOID ACCIDENTS Inventor(s): N.Mani, R.Bhopathy, V.M.Manickavasagam, V.prabhu, K.VetIrivelmurugan, V.Raviraj, G.Ramakrishnan. Published: 2020-11-27 2. SOFT ROBOTIC CPR DEVICE Inventor(s): Dr.N.Mani,

	<p>Mr.S.Ramanathan. Published: 2024-04-26</p> <p>3. DESIGN AND DEVELOPMENT OF AUTOMATIC RAIN DETECTION CLOTHES RETRIEVAL SYSTEM Inventor(s): U.NITHISH, 1. VIMAL KANNAN Assignee: 1. VIMAL KANNAN   Published: 2024-01-26</p> <p>4. DESIGN OF SMART DEVICE FOR SEWERS GAS DETECTOR AND ALERT SYSTEM Inventor(s): N.Mani   Published: 2024-11-08</p> <p>5. Design of Hydrosentinal for Matsya using Image Processing technique Inventor(s): N.Mani, Pranesh RK, Menagasoundari, Divya   Published: 2025-11-07</p> <p>6. WASTE TO ENERGY CONSERVATION Inventor(s): N.Mani, Jathish, Vithasini, Rohit Krishna R and Pooja sri   Published: 2025-12-19</p> <p>7. SMART IRRIGATION IN DRIP IRRIGATION Inventor(s): Dr.N.MANI Assignee: 1 . S.BADRINATH 2 . Dr.N.MANI 3 . MS.T.RITHIKA 4 . K.R.JEYASHRJ 5 . S.SUTHARSAN   Published: 2024-11-29</p> <p>8. SMART STAIRS PLATFORM ENHANCED ACCESSIBLE SOLUTION FOR DISABLED Inventor(s): Dr.N.MANI Assignee: 1 . M.MOHAMMED RIHAAN 2 . Dr.N.MANI 3 . MR.S.GOKUL 4 . MR.M.SADASIVAM   Published: 2024-11-22</p> <p>9. HUMAN DETECTION SYSTEM IN EARTHQUAKE CONDITIONS Inventor(s): Dr.N.MANI Assignee: 1 . V. V. KAVI PRIYADARSON 2 . Dr. N. MANI 3 . K. PASUBATHI 4 . C. S. RISHI RAHAV 5 . K. SREERAM   Published: 2024-11-29</p>
Contact Details	<p>Email : mani.mech@sairam.edu.in hod.mu@sairam.edu.in</p> <p>Phone : 9444110224</p>

Research Guidance	No of PhD Scholars Registered	: 11
	No of Scholars completed	: 01
	Joint Supervisor	: 02
	DC Member	: 02
	Completed	: 01

### ACADEMIC BACKGROUND:

Course	Institution	Year of Passing	Board/university	% of Marks
Ph.D. * Fracture Mechanics	College of Engineering, Guindy	2011	Anna University	-
M.E. CAD	Sathyabama Engineering College	2001	University of Madras	81.3 (Ist Class with Distinction)
B.E. Production Engineering	Sathyabama Engineering College	1997	University of Madras	65.5
Higher Secondary	Don Bosco Hr.Sec. School	1993	State Board	69%
SSLC	Don Bosco Hr.Sec. School	1991	State Board	67.6%

**\*Title of Ph.D. Thesis:** APPLICATION OF FRACTURE MECHANICS CONCEPT TO DEMONSTRATE LEAK BEFORE BREAK ANALYSIS IN STEAM GENERATOR SHELL NOZZLE JUNCTION

### PROFESSIONAL EXPERIENCE:

Sl. No	College/Organization	Designation	Period From To	Total period	Nature of work
1	Sri Sairam Engineering College	Professor	From April 2012 to Till date	13 years 8 months	Administration, Teaching & Research
2	Sathyabama University	Associate Professor	2003 - 2012	9 years	Teaching
3	Madha Engineering College	Lecturer	2001 – 2003	2 years	Teaching
4	Sri Balaji Polytechnic	Lecturer	1999 – 2000	1 year	Teaching

Professional Involvement:

<b>Membership in professional bodies</b>	<ul style="list-style-type: none"><li>• Senior member in IEEE (97940137)</li><li>• Life Member in Indian Society for Technical Education (ISTE_ LM131512)</li><li>• SAE Member ( 10 Years)</li></ul>
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***Sponsored Projects:***

1. Received **AICTE-IDEA LAB sponsored by AICTE** in the year 2022.
2. Coordinator for **AICTE sponsored STTP on “Finite Element Analysis for Engineering Applications”**, 2020-21
3. Completed a project on “Tricycle for physically challenged using artificial intelligence” sponsored by TamilNadu State Council for Science and Technology (**TNSCST**), 2019.
4. Coordinator for **PMKVY sponsored by AICTE** for the course CNC operator\_CNC Vertical Machining Centre in the academic year 2018-19.

***Reviewer:***

1. Reviewer in Journal of Nuclear Engineering and Technology (Elsevier)
2. Reviewer in Materials Today- Proceedings (Elsevier)
3. Reviewer in International Journal of Mechanical Engineering.
4. Reviewer for PhD Thesis in Private University.

***Publication Details:***

1. I Jemina, **N Mani**, P Ramesh, N Sudha, “Brominated graphene oxide: A novel synthesis approach for enhanced performance in energy storage applications”, *Diamond and Related Materials* 154, 112135.
2. I Jemina, **N Mani**, P Ramesh, J Pitchaimani, “Eco-Friendly Approach on One-Step Chloride Decoration over R-Graphene for Supercapacitor Application”, *Chemistry Select* 10 (4), e202404441
3. **Mani, N**, Jemina, I., Pitchaimani, J., Ramesh, P., “Eco-friendly@one-pot-simultaneous oxygen and chlorine intercalation on graphite surface at low-cost”, *Materials Letters*, 2024, 362, 136207.
4. Ramanathan, S., **Mani, N.**, Devaneshwar, B., Kumar, J.N., “Design and kinematic analysis of spot welding robot”, *AIP Conference Proceedings*, 2024, 3037(1), 020015.

5. Ravindran, S., **Mani, N.**, “Green synthesis of ZrO<sub>2</sub> nanoparticles by Phyllanthus niruri extract and its tensile and high temperature wear behaviour of Al2017A/hBN composites”, *Biomass Conversion and Biorefinery*, 2023.
6. **N.Man**i, N. Manoharan, “Life prediction of Steam generator shell nozzle junction for Fast Breeder Reactor”, *Materials Today: Proceedings*, 57(1), pp: 270-274, 2022.
7. **N. Mani**, M Palanivendhan, M Siranjeevi and K Balaji, “Investigation on mechanical behaviour of Al-6061 SiC Metal Matrix with Ni composite”, *IOP Conf. Series: Materials Science and Engineering*, 993, 012126, 2020.
8. V. Hari Krishnan, **N. Mani**, S. Subin Anand, R. Guruvendhan, and S. Vishal, “Mechanical and microstructural analysis of Al-W-Sn metal matrix composites”, *AIP Conference Proceedings*, 2283, 020022, 2020.
9. Ravindran, S., **Mani, N.**, Kannan, M., Santhosh, S, “Wear testing of polypropylene termina chebula fibres”, *IOP Conference Series: Materials Science and Engineering*, Vol. 912(5), 052024, 2020.
10. N. Prem Kumar, **N. Mani** and K. Palanikumar, “Influence of Rutile Nano TiO<sub>2</sub> on Thrust Force, Mechanical, Wear and Microstructural Behavior of Al–SiC Composites”, *Nano science and Nanotechnology Letters*, Vol. 11, pp.1502–1512, 2019.
11. Ravindran, S., **Mani, N.**, Balaji, S., Abhijith, M., Surendaran, K, “Mechanical behaviour of aluminium hybrid metal matrix composites - A review” *Materials Today: Proceedings*, Volume 16, Part 2, pp. 1020-103, 2019.
12. N. Prem kumar, **N.Man**i and K.Palanikumar, “Influence of Thrust Force in Drilling Al – SiC / Nano TiO<sub>2</sub> Metal Matrix Composites Using Box Behnken Design (BBD)”, *Caribbean Journal of Science*, Volume 53, ISSUE 1, pp. 556 – 564, 2019.
13. N. Prem kumar, **N.Man**i and K.Palanikumar, “Study of Thrust Force in Drilling Al / SiC - Nano TiO<sub>2</sub> Metal Matrix Composites Using Response Surface Method”, *Tierärztliche Praxis*, Vol 39, Issue 11, pp: 77-93, 2019.
14. **N.Man**i, R.B.Dhiyanesswar,S. Dhiyaneswar,B.MohanRaj, V.Premkumar, “Design and Development of Electric Tri-Wheeler”, *International Journal of Engineering Research in Computer Science and Engineering*, Vol 6, Issue 7, July 2019.
15. Kumar, N. Prem, **Mani, N.**, “Mechanical and Micro-Structural Characteristics of Al SiC Metal Matrix with TiO<sub>2</sub>Nano Composites”, *Journal of Advanced Microscopy Research*, Volume 13(1), pp. 107-111(5), 2018.
16. Ravindran, S., **Mani, N.**; King, M. Francis Luther; Vimalathithan, R., “An Investigation on the Mechanical Properties of Nano-Al<sub>2</sub>O<sub>3</sub> and TiC Reinforced

- Aluminum Matrix Hybrid Composites”, Journal of Advanced Microscopy Research, Volume 13(1), pp. 118-124(7), 2018.
17. S. Ravindran, **N. Mani**, D. Vignesh, V. Anjan shrinivasan and C. Vignesh, “Experimental and Investigation of Aluminium T6 Nano-Reinforced hybrid metal matrix composite” International Journal of Mechanical and Production Engineering Research and Development, Vol. 8, (8), pp.226-231, 2018.
  18. **Mani N.**, Thanigaiyarasu G. and Chellapandi P., “Parametric study of Pullout radius for Steam Generator Shell Nozzle Junction for FBR” Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, pp 1-11, 2013.
  19. **Mani N.**, Thanigaiyarasu G. and Chellapandi P., “Leak Before Break analysis of Steam Generator Shell Nozzle Junction for Sodium cooled Fast Breeder Reactor”. ASME Journal of Pressure vessel Technology. Vol.134 (2), 021211, 2012.
  20. **Mani N.**, Thanigaiyarasu G. and Chellapandi P., “Stress analysis of steam generator shell nozzle junction for sodium cooled fast breeder reactor”, International Journal of Engineering Science and Technology, Vol. 2(7), pp. 2690-2698, 2010.
  21. **Mani N.**, Thanigaiyarasu G. and Chellapandi P., “Static stress analysis of steam generator shell nozzle junction for Leak Before Analysis”, International Journal on Design and Manufacturing Technologies, Vol. 3, No. 1, pp. 45-50, 2009.

***Book Chapter:***

1. A Sailesh, K Palanikumar, **N Mani**, A Ponshanmuga kumar, “A Review on the Sustainability Prospects of Bio Fibre Reinforced Composite Materials”, Bio-Fiber Reinforced Composite Materials, 361-374, 2022.

***Resource person:***

1. Acted as a Judge for 1st Edition - SAEISS National Level Competition On Finite Element Analysis (Using ANSYS) (NLCFEA-2023) from SAEINDIA Southern Section on 30.03.2024
2. Presented Lecture in STTP on Dynamics of Machines organized by Mailam Engineering College from 7.10.2021 to 13.10.2021.

3. Presented lecture in Five days ATAL sponsored FDP on “3D Printing and Design” organized by KSR Institute for Engineering and Technology on 11.09.2020.
4. Presented lecture in Six days AICTE sponsored STTP on “Finite Element Analysis for Engineering Applications” organized by Sri Sairam Engineering College on 08.09.2020.
5. Presented lecture in Six days AICTE sponsored STTP on “ Failure and Damage Mechanics of High Performance Engineering Materials” organized by Anil Neerkonda Institute of Technology and Science, Bheemunipatnam, Andhra Pradesh on 11.08.2020.
6. Presented lecture in Six days AICTE sponsored STTP on “Finite Element Analysis for Engineering Applications” organized by Sri Sairam Engineering College on 03.08.2020.
7. Presented lecture in Six days AICTE sponsored STTP on : “Energy Storage hybridistics, Surface treatment , Durability , Sustainability and Micro Structural Evaluation of smart and Phase change materials and Its Applications “organized by Sri Sairam Institute of Technology on 31.07.2020
8. Presented lecture in the Five days online FDP on “Manufacturing, Machining and Testing of Composites” organized by Sri Sairam Institute of Technology on 17.06.2020
9. Acted as a resource person in ISTE sponsored Faculty Development Training Programme on “Working Culture for Professionals” from 12.11.2019 conducted by Sri Sairam Engineering College held from 11.11.2019 to 16.11.2019.
10. Acted as a resource person in AICTE Sponsored Short Term Training Programme (STTP) on “Natural Fiber Composites Recent Technology for Sustainability and Eco – Friendly Environment” on 26.06.2019 conducted by Sri Sairam Engineering College held from 24.06.19 to 29.06.19.
11. Acted as a resource person and delivered lecture on “Introduction to springs and Design process of springs” on 09.05.2019 in Anna University jointly sponsored Faculty Development Training Programme conducted by Easwari Engineering College, Chennai.
12. Session Chair for International Conference on Advances in Materials, Manufacturing & Applied Sciences-17 (ICAMMAS-17) on 30<sup>th</sup> & 31<sup>st</sup> March, 2017 held at Sri Sairam Institute of Technology, Chennai.
13. Session Chair for International Conference on Mechanical, Materials and Manufacturing Systems-2016 (ICMMMS-2016) on 27<sup>th</sup> & 28<sup>th</sup> January, 2016 at Sri Sairam Engineering College, Chennai-44.
14. Presented Lecture on Finite Element Analysis in Loyala Institute of Technology, Chennai on 10.09.2015.

15. Session Chair for International conference - ICAMME 2014, Dept.of Mechanical Engineering, 19 & 20 December 2014, Sairam Institute of technology, Chennai.
16. Jury for National level student technical symposium organized by VRS College of Engineering and technology, Villupuram on 25.02.2014.
17. Guest Faculty in the Department of Engineering Design in College of Engineering Guindy, Anna University since 2013.

***Events organized:***

- **Coordinator** for AICTE-IDEA LAB Awareness Program on PCB Milling from 14.02.23 to 15.02.2023.
- **Coordinator** for AICTE-IDEA LAB skilling program on PCB Design from 06.01.2023 to 11.01.2023.
- **Coordinator** for AICTE-IDEA LAB Skilling Program on 3D Printing on 18.11.22.
- **Coordinator** for Awareness Program on “**Lean Six Sigma certifications**” in Collobaration with MSME (Micro, Small & Medium Enterprises) conducted on 29.03.2022.
- **Coordinator** for AICTE Sponsored STTP on Finite Element Method for Engineering Applications from 03.08.2020 to 08.08.2020, 07.09.2020 to 12.09.2020 and 05.10.2020 to 10.10.2020 (Virtual Mode).
- **Convener** for online webinar “Digital Manufacturing – A New Era” on 10.06.2020 for Faculties and Students.
- **Coordinator** for One day training program on “Basic Computer Software’s for Government school children” on 12.02.2020 at Government Higher Secondary School, Somangalam.
- **Organized** Motivation session on “ YES YOU CAN” for Rotaract Club members in Sri Sairam Engineering College on 06.09.2019
- **Coordinator** for Installation function of Rotaract Club of Sri Sairam Engineering College and **organized** Tree Plantation Drive in Sri Sairam Engineering College Campus on 09.08.2019.
- **Coordinator** for Two days Training Programme on “Management of Quality Circles for Effectiveness of Educational Institutions” on 17<sup>th</sup> & 18<sup>th</sup> August 2018.

- **Coordinator** for Faculty Development Programme on Computer Aided Design and Usage of Software conducted from 04.08.16 to 06.08.16 at Sri Sairam Engineering College.
- **Coordinator** for Industry – Institution Interaction event on Environmental Management in Industrial Sectors - Status and Needs conducted for 24.07.2014 to 25.07.2014 at Sri Sairam Engineering College.
- **Organizing Secretary** for National Conference on Advances in Mechanical Engineering in Sri Sairam Engineering College on 25<sup>th</sup> April, 2013.
- Co-Convenor, MECHIGUN 2009 – A National level Conference on Mechanical Engineering Department, Sathyabama University.

***Papers Presented in the International/National Conferences:***

1. Presented a Paper Titled “Analysis and optimization of Carbon Fibre Reinforced Polymer SEA structures to impart the crashworthiness”, International Symposium on Materials of the Millennium: Emerging Trends and Future Prospects (MMETFP-2021), 19-21 November, 2021, PDEU Gandhinagar.
2. Presented a Paper Titled “Life Prediction of Steam Generator Shell Nozzle Junction for Fast Breeder Reactor”, International Symposium on Materials of the Millennium: Emerging Trends and Future Prospects (MMETFP-2021), 19-21 November, 2021, PDEU Gandhinagar.
3. Presented a Paper Titled “Wear Testing of Polypropylene Termina Chebula Fibers” , 3<sup>rd</sup> International Conference on Advances in Mechanical Engineering (ICAME 2020) & (ICRACM 2020), conducted by SRM Institute of Science and Technology, Kattankulathur. (Feb 24 to 29), 2020.
4. Presented paper in the International Conference on Recent Trends in Mechanical and Materials Engineering (ICRTMME 2019) on 12<sup>th</sup> and 13<sup>th</sup> December 2019 at Chennai Institute of Technology, Chennai.
5. Presented paper in the International Conference on Advanced Materials and Manufacturing Processes for Strategic Sectors (ICAMPS – 2018) on Oct 25-27, 2018 at Thiruvananthapuram, Kerala, organized by The Indian Institute of Metals (IIM).
6. Presented a Paper Titled “Experimental and Investigation of Aluminium T6 Nano-Reinforced Hybrid Metal Matrix Composite “, International Conference on Automobile, Marine and Mechanical Engineering (ICAMME 2018), conducted by Sri Venkateswara College of Engineering, Sriperumbudur, Chennai. . (May 4<sup>th</sup> &5<sup>th</sup>), 2018.

7. Presented paper in the International Conference on “Technological Advances in Mechanical Engineering” on 22.09.2017 at AMET University, Chennai.
8. Presented a Paper Titled “Mechanical Behaviour Of Aluminium Hybrid Metal Matrix Composites – A Reviews” , *Second International Conference on Advances in Materials, Manufacturing and Applied Sciences, ICAMMAS’17*, conducted by Sri Sai Ram Institute of College, Chennai. (March 30<sup>th</sup> & 31<sup>st</sup>), 2017
9. Presented paper in the International Conference on “Mechanical, Materials and Manufacturing systems” during 24<sup>th</sup> & 25<sup>th</sup> February 2016 at Sri Sairam Engineering College, Chennai.
10. Presented paper in the International Conference and Exhibition on Emerging Challenges in Design and Manufacturing Technologies – 2007 in Sathyabama University.
11. Presented paper on “Stress analysis of steam generator shell nozzle junction for Fast Breeder Reactor to demonstrate LBB” in All India Seminar on Recent Trends in Manufacturing, IE (India), 2010.
12. Presented paper on “Life prediction of steam Generator shell nozzle junction”, Proceedings of National Conference on Recent trends in Manufacturing and Industrial Engineering - NCRTMIE, held at Sathyabama University, 2010.

***National/International Conferences Attended:***

1. Attended DST sponsored National Seminar on “Automotive Materials and Manufacturing” during 20<sup>th</sup> & 21<sup>st</sup> July 2012 at PSG College of Technology, Coimbatore.
2. Participated in the International seminar on ‘Sustainable Environmental Awareness through Educational Media’ held at Anna University of Technology, Madurai on 26<sup>th</sup> November 2010.
3. Participated in the International Conference and Exhibition on Emerging Challenges in Design and Manufacturing Technologies – 2007 in Sathyabama University.

***Medals/Awards Received :***

1. Received Dr. APJ Abdul Kalam Award for Teaching Excellence – 2019 on 24<sup>th</sup> November 2019 from Marina Labs.
2. Received **Best Teacher Award** from Delphi TVS, Oragadam for the academic year 2017-18 and 2018-19.
3. **Prof. Chinnadurai award** for discipline and study in Sathyabama Engineering College, 2001
4. Received Medal for University of Madras **VI<sup>th</sup> Rank** and **I<sup>st</sup> Rank** in Sathyabama Engineering College in M.E. (CAD)

5. Received **Best Paper Award** in International Conference and Exhibition on Emerging Challenges in Design and Manufacturing Technologies – 2007 in Sathyabama University.

***Short Term / Certificate Course Attended:***

- NPTEL Online Certificate course on “Basics of Finite Element Analysis – I” during Feb –Mar 2018 and secured **Elite grade** with 85% score.
- A course on ‘Non –linear Finite Element Analysis’ held at IITM by Dr.J.N.Reddy
- A course on ‘Introduction to ABAQUS’ held at Abaqus Inc.Ltd, Chennai.

***Faculty/Staff Development /Training Program/ workshops Attended:***

1. Attended AICTE Training and Learning (ATAL) Academy Online FDP on "Industrial Automation" from 06.12.2021 to 10.12.2021 at Guru Gobind Singh Polytechnic Nashik.
2. Attended AICTE Training and Learning (ATAL) Academy Online FDP on “Robotics and Artificial Intelligence" from 13/12/2021 to 17/12/2021 at Manav Rachna International Institute of Research and Studies.
3. Attended and Completed 6 days Online Orientation Training Programme for Mentors from 26.07.2021 to 30.07.2021 organized by National Initiative for Technical Teachers Training (NITTT), AICTE.
4. Attended and successfully completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 12.07. 2021 to 16.07.2021.
5. Attended AICTE Training and Learning (ATAL) Academy Online FDP on " Additive Manufacturing in Industry 4.0 Strategy” from 05.07.2021 to 09.07.2021 at National Institute of Technology Andhra Pradesh.
6. Attended AICTE Training and Learning (ATAL) Academy Online FDP on "Electric Vehicles” from 30.11.2020 to 04.12.2020 at IFET COLLEGE OF ENGINEERING.
7. Attended AICTE Training and Learning (ATAL) Academy Online FDP on "3D Printing & Design" from 15-06-2020 to 19-06-2020 at NIT WARANGAL.
8. Attended Online Mech 4.0 Technical Webinar Series organized by School of Mechanical Engineering, Sathyabama Institute of Science and Technology associated with Ashok Leyland on 7<sup>th</sup> and 8<sup>th</sup> May 2020.

9. Participated webinar on “Nano Composite Ion-Conducting Solid Polymer Electrolyte Materials” conducted on 10-06-2020, organised by Department of Basic Sciences & Humanities, Vignan's Institute of Management & Technology for Women, Hyderabad.
10. Participated season 4 of Sky campus on the theme “The Future of Education, Employment & Entrepreneurship” conducted on 4, 7 and 8<sup>th</sup> May 2020.
11. Attended “Virtual Interactive classroom for teachers and Challenging Technologies in post covid-19 Era” organized by IFERP on 05.06.2020.
12. Participated webinar on “Intellectual Property Rights and Patent Practices in India- Innovation and Research in to Patents” on 11.05.2020 organized by Sri Sairam Institute of Technology, Chennai.
13. Participated webinar on “IPR and IP Management for Innovation and Start-ups” organized by RMK Engineering College on 15.05.2020.
14. Attended Online Teaching-Learning and online assessment demo by inPods on 27.05.2020.
15. Participated webinar on “Process simulation, optimization and additive manufacturing for reengineering of medical devices by Altair, NAFEMS India on 04.05.2020.
16. Participated in webinar on “NOx and PM Emissions - Formation and Control” by Rajalakshmi Engineering College, Chennai held on 28th May 2020
17. Attended AICTE sponsored Two Weeks Faculty Development Program on “Modeling and Control of High efficiency Electric and co vehicles and the Future vehicle feet in 2030” held at Easwari Engineering College from 10.06.2019 to 23.06.2019.
18. Attended ISTE sponsored Faculty Development Programme on “artificial” held at Sri Sairam Engineering College from 13.05.2019 to 18.05.2019.
19. Participated in the Two days National workshop on “Marine Cyber Physical system” sponsored by ICPS Division of Department of Science & Technology (DST), New Delhi held at AMET University during April 22-23, 2019.
20. Participated in the Third National Finite Element Developer’s / Users’ Meet 2018 (NAFED 2018) on 14.12.2018 held at Panimalar Engineering College, Chennai.
21. Participated one day programme in the Siemens Education Day on 04.08.2017 organized by Siemens and Vi Microsystems Pvt. Ltd, Chennai.
22. Participated in the Two day Programme Development Meeting on “Indian Digital Heritage – Marine Exploaration- A case study on Poompuhar and Dwarka” during 25<sup>th</sup> & 26<sup>th</sup> August 2016 at AMET University, Chennai.

23. Attended two days Faculty Development Programme on “Recent Developments in Non-Destructive Testing & Materials” during 1<sup>st</sup> and 2<sup>nd</sup> December 2016 at Tagore Engineering College, Chennai.
24. Attended one day workshop on “Role of Lean Manufacturing on Organization Competitiveness” on 28.08.2014 at Sri Sairam Engineering College, Chennai.
25. Participated in the “Industry-Institution Interaction Event on Environment Management in Industrial Sectors – Status and Needs” during 24<sup>th</sup> & 25<sup>th</sup> July 2014 at Sri Sairam Engineering College, Chennai.
26. Attended one day workshop on “Recent Trends on Product Design & Development” held at College of Engineering Guindy, Anna University, Chennai on 18<sup>th</sup> May 2012.
27. Attended DST sponsored National Seminar on “Automotive Materials and Manufacturing” held at PSG College of Technology, Coimbatore on 20<sup>th</sup> and 21<sup>st</sup> July 2012.

***Department Level Activities:***

- HoD, Department of Mechanical and Automation Engineering
- Key person in Syllabus Framing Committee for Mechanical and Automation Engineering.
- Chairman, Board of Studies, Department of Mechanical and Automation Engineering
- Department NAAC Coordinator
- Department NBA Criteria Incharge
- Department ISO Coordinator
- Department Autonomous Coordinator
- Faculty Advisor – Quality Circle Forum of India (QCFI) – Students Chapter
- Faculty Advisor – Go Kart, A Karting Event
- Faculty Advisor – Rotaract Club of Sri Sairam Engineering College
- Faculty Advisor – SAE ADDC - Drone Chalange