

**SRI SAI RAM ENGINEERING COLLEGE**

**DEPARTMENT OF MECHANICAL ENGINEERING**

Name: **Dr. S. RAJESH**



Designation:

Associate Professor

Qualification :

M.TECH, Ph.D.

Area of Specialisation :

CAD / CAM

Experience :

Teaching : 13 Years

Industry :NIL

No. of workshop / Conferences / FDP attended :

12/ - / 18

No. of workshop / Conferences / FDP organised:

Workshops -16  
FDP – 4

Funded Projects

NIL

Publication :  
JOURNAL

NATIONAL – Nil  
INTERNATIONAL - 23.

CONFERENCE:	NATIONAL – Nil INTERNATIONAL – 13.
Research Guidance :	Guided U.G and P.G Students Projects
Staff Achievements:	<p>➤ Best academic excellence award by “Institution of Engineers”, India during the year 2023.</p>

#### ACADEMIC BACKGROUND

Course	Institution	Year of Passing	Board/University	Percentage of marks (%)
S.S.L.C	The suburban higher secondary school Coimbatore.	April 2000	State board	84.2
Higher Secondary	The suburban higher secondary school Coimbatore.	March 2002	State board	75.08
B.E (Mechanical Engineering)	Park College of Engineering and Technology, Coimbatore	2002 to 2006	Anna University	74.02
M.Tech (CAD/CAM)	Veltech University, Avadi, Chennai -54.	2010 to 2012	Veltech University	8.32
Ph.D	St.Peter’s Institute of Higher Education and	2014 to	St.Peter’s	

Composite Materials	Research, Avadi, Chennai-54.	2018	University	
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### Experience:(Details)

#### **TOTAL YEARS TEACHING EXPERIENCE (10 YEARS)**

Sl.No	College	Designation	Period		Total years	Nature of Work
			From	To		
1.	Sri Sai Ram Engineering College	Associate Professor	01.06.2012	Till date	13	Teaching

### **Professional Involvement**

<b>Membership of professional bodies</b>	1. SAE. 2. IEEE 3. ISTE
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### **Seminars Participated**

1. Participated Global Webinar Program on “Solid Works” at “SKR ENGINEERING COLLEGE” on 20<sup>th</sup> July 2012.
2. Participated One Day Workshop on “Finite Element Analysis Tools and Its Applications” at “Sri Sai Ram Engineering College” on 19<sup>th</sup> July 2012.
3. Participated two day workshop on “Advanced Engineering Optimization and Modeling using MATLAB and SCILAB” organized by Saveetha engineering college on 29<sup>th</sup> & 30<sup>th</sup> of November 2012.
4. Participated One Day Workshop on “Environment Management in Industrial Sectors- Status and Needs” at “Sri Sai Ram Engineering College” on 24<sup>th</sup> and 25<sup>th</sup> July 2014.
5. Participated One Day Workshop on “Green Composites” at “Sri Sai Ram Engineering College” on 27<sup>th</sup> August 2014.

6. Participated One Day Workshop on “Role of Lean Manufacturing on Organization Competitiveness” at “Sri Sai Ram Engineering College” on 28<sup>th</sup> August 2014.
7. Participated National Level workshop on “Multi Objective Optimization” at St.Joseph’s College of Engineering on 4<sup>th</sup> September 2014.
8. Participated One Day Workshop on “Differential Evolution Algorithm for Optimization” at “SCSVMV University” on 2<sup>nd</sup> September 2016.
9. Participated One Day Workshop on “Automotive Technology” at “Sri Sai Ram Engineering College” on 12<sup>th</sup> and 13<sup>th</sup> September 2017.
10. Participated One Day Workshop on “YI Leadership Academy” at “Indian School of Business, Hyderabad” on 25<sup>th</sup> and 26<sup>th</sup> August 2017.
11. Participated KRT Design Competition on “Computer Aided Design” conducted by SAE Southern Section at “Radha Regent” on 7<sup>th</sup> January 2018.
12. Participated KRT Design Competition on “Computer Aided Engineering – Finite Element Analysis” conducted by SAE Southern Section at “SRM Univeristy” on 18<sup>th</sup> February 2018.
13. Participated Three Days Workshop on “Creo Parametric Modeling software and its applications” held at Sri Sai Ram Engineering College between 13<sup>th</sup> and 15<sup>th</sup> of June 2018.
14. Participated in the webinar titled “Emerging Trends in 3D Printing” on 11<sup>th</sup> June 2020 organized by Department of Mechanical Engineering, Velammal EngineeringCollege, Chennai.
15. Participated in the webinar titled “Fundaments of Finite Element Analysis” organized by Chennai institute of technology on 25<sup>th</sup> April 2020.
16. Participated in the Live Webinar: “Manufacturing Process and ESPRIT CAD/CAM Software”, organised by Mechanical Engineering Department of R. N. G. Patel Institute of Technology – RNGPIT on 21<sup>st</sup> May 2020.
17. Participated in “Online Teaching and Learning Resources” organized by Inpods on 8<sup>th</sup> June 2020.
18. Webinar on “Smart Agriculture System using IOT” organized by Department of Mechanical Engineering , St.Peter’s College of Engineering and Technology on 6<sup>th</sup> June 2020.

19. Participated in the webinar on Process simulation, optimization and additive manufacturing for reengineering of medical devices organized by NAFEMS in association with ALTAIR on 4 May, 2020.
20. participated in an online webinar on “ 3D Printing Applications in Fighting with COVID-19 “ on 09/05/2020 hosted by Department of Mechanical Engineering - Sri Sai Ram Institute of Technology , Chennai.

### **Faculty Devopment Program Attended**

1. Attended Anna University Sponsored Faculty Development Program On “Advancements in Materials, Manufacturing Processes and Management Systems” at Sri Sairam Engineering College from 4<sup>th</sup> to 16<sup>th</sup> of November 2013.
2. Attended Anna University Sponsored Faculty Development Program On “Processing and characterization of composite materials include natural fiber reinforced composites” at Sri Sairam Institute of Technology from 18<sup>th</sup> to 31<sup>st</sup> of March 2015.
3. Attended Anna University Sponsored Faculty Development Program On “FINITE ELEMENT ANALYSIS” at St.Joseph’s institute of technology from 04<sup>th</sup> to 10<sup>st</sup> of January 2016.
4. Attended Anna University Sponsored Faculty Development Program On “Computer Aided Design and Usage of Software” at Sri Sairam Engineering College from 4<sup>th</sup> to 16<sup>th</sup> of August 2016.
5. Attended Faculty Development Program on “CAD using CATIA V6” held at Vellore Institute of Technology, Chennai campus on 26<sup>th</sup> & 27<sup>th</sup> of September 2016.
6. Attended Faculty Development Program on “Automobile Engineering” held at Sri Sai Ram Engineering College from 29<sup>th</sup> Nov to 5<sup>th</sup> Dec. 2017.
7. Attended Faculty Development Program on “Autodesk Inventor” held at Sri Sai Ram Institute of technology from 4<sup>th</sup> to 8<sup>th</sup> of June 2018.
8. Five days online Faculty Development Program on “Manufacturing, Machining and Testing of Composites” organized by Department of Mechanical Engineering at Sri Sai Ram Institute of Technology from 15.06.2020 to 19.06.2020.
9. Online FDP on “CFD Simulation of Thermal management of Batteries and Power

Converter” on 28.05.2020 conducted by Vel Tech High Tech Dr. Ranagarajan Dr. Sakunthala Engineering College, Avadi, Chennai.

10. Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "3D Printing & Design" from 2020-11-16 to 2020-11-20 at Mar Athanasius College of Engineering.
11. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "3D Printing & Design" from 2020-10-19 to 2020-10-23 at Dr.N.G.P. institute of technology.
12. Attended 15 days Faculty Internship Training program at GH Induction Private Limited, Thirumudivakkam, during the period 20-01-2022 to 5-02-2022.]
13. Participated in a 40-hour Online Faculty Development Programme on "Applications of Artificial Intelligence in Digital Manufacturing" Sponsored by Ministry of Electronics and Information Technology (Meity) Gol organised by E&ICT Academy, NIT Warangal and Sri Sai Ram Engineering College, Chennai, during Feb '22.
14. Participated in 5 Day Faculty Development Program on Product Design Engineering using Fusion 360 conducted by ICT Academy during August 2022.
15. Participated in 10 Hours of Faculty Development Program on Digital Prototyping using CATIA (Online FDP) conducted by ICT Academy on 10 Jul 2023 to 14 Jul 2023 Sri Sairam Engineering College, Chennai
16. Participated Five days Faculty Development Program on "PTC Creo and 3D Printing" conducted by caddam technologies during April 2023.

### **Events / Workshops Organized**

1. Organized one day Workshop on “Value Engineering using Ansys” held at Sri Sairam Engineering College, on 19<sup>th</sup> August 2016.
2. Organized one day Workshop on “Yuva Heart fullness Program” held at Sri Sairam Engineering College, on 30<sup>th</sup> January 2017.
3. Organized one day Workshop on “Know Yuva – Become Yuva”, held at Sri Sairam Engineering College, on 8<sup>th</sup> February 2017.

4. Organized one day Workshop on “Honking of Horns”- Awareness Program,” held at Sri Sairam Engineering College, on 27<sup>th</sup> February 2017.
5. Organized one day Workshop on “E Waste Launch” held at Sri Sairam Engineering College, on 27<sup>th</sup> June 2017.
6. Organized one day Workshop on ““Road Rally” - Awareness Program” held at Sri Sairam Engineering College - Tambaram GST Road, on 11<sup>th</sup> July 2017
7. Organized one day Workshop on “Helmet Awareness Campaign” held at Sri Sairam Engineering College, on 1<sup>st</sup> August 2017.
8. Organized one day Workshop on “YI International Conference – Building Connected Communities”, held at Sri Sairam Engineering College, on 7<sup>th</sup> August 2017.
9. Organized one day Workshop on “Organ Donation and Health Camp”, held at Sri Sairam Engineering College, on 13<sup>th</sup> March 2018.
10. Co-coordinated three days Workshop on “Creo Parametric Modeling software and its applications” held at Sri Sai ram Engineering College between 13<sup>th</sup> and 15<sup>th</sup> of June 2018.
11. Organized debate on “INDIA@75 - Should We Measure India’s Growth in Terms of GDP or Happiness Index” and business plan competition on 25.01.19 held at Sri Sairam Engineering College.
12. Organized Faculty Development Program in “Introduction to Fusion 360” in association with ICT Academy held at Sri Sai Ram Engineering College between 22.04.19 and 26.04.19.
13. Co-coordinated AICTE Sponsored Six days short term training program on “Natural Fiber Composites – Recent Technology for Sustainability and Eco- Friendly Environment” held at Sri Sairam Engineering College during 24<sup>th</sup> – 29<sup>th</sup> of June 2019.
14. Organized one day Workshop on “e-Waste Awareness Camp and Disposal of e-Waste”, held at Sri Sairam Engineering College, on 17<sup>th</sup> July 2019.
15. Organized Awareness Program on “Social Media Marketing and Good Samaritan Law” held at Sri Sairam Engineering College on 04<sup>th</sup> October 2019.
16. Organised Two weeks Online Refresher Course on “ Advances in Mechanical, Civil and Production Engineering and ICT in Teaching and Learning Process” held between 13<sup>th</sup> May and 26<sup>th</sup> May 2020.
17. Organised webinar on “Electric Vehicles” held at Sri Sairam Engineering College in association with AMZ Automotive Pvt.Ltd. on 28<sup>th</sup> May 2020.

18. Organised Webinar on “Higher Studies opportunities in Germany” by Alumnus Mr. Keshavraj (2012-2016) at Sri Sairam engineering college on 11<sup>th</sup> July 2020.
19. Organised Webinar on “Higher Studies opportunities in UK” by Alumnus Mr. Abijith Moni (2013-2017) at Sri Sairam engineering college on 18<sup>th</sup> July 2020.
20. Organised Webinar on “Higher Studies opportunities in USA” by Alumnus Mr. Aasha Rathinaraj (2012-2016) at Sri Sairam engineering college on 2<sup>nd</sup> August 2020.
21. Organized Webinar on Introduction to Electrical Vehicle Technology on 30th March 2021 at Sri Sai Ram Engineering College through SAE Collegiate Club.
22. Organized Value added course on Product Life Cycle Management using Wind-Chill Software on 23rd September 2021 at Sri Sai Ram Engineering College.
23. Organized Skill Rack Orientation Program for Third year students (Batch: 2019-2023) & Second Year Students (Batch: 2020-2024) on 25th September 2021 at Sri Sai Ram Engineering College.
24. AICTE Sponsored Six Days Virtual Short Term Training Programme (STTP) on Finite Element Method for Engineering Applications 05-10-2020 to 10-10-2020 at Sri Sai Ram Engineering College.
25. Coordinated five days Workshop on “Parameteric Modeling software and its applications” held at Sri Sai Ram Engineering College between 24th and 28th of April 2023.
26. Organised SAIMECH Technical symposium entitled "MECHENZY '23" at Sri Sai Ram Engineering College on 8th November 2023.

### **Published in the International Journals**

1. B.Vijaya Ramnath, R. Niranjana Raja, S. Junaid Kokan, R. Sathya Narayanan, **S. Rajesh**, and C. Elanchezhian, “Properties and Performance Analysis of Woven Roving Composite Laminates for Automotive Panel Board Applications” Advanced Material Research, Vol.683, 2013, pp21-24. (Impact factor :0.158).
2. B.Vijaya Ramnath, R. Niranjana Raja, S. Junaid Kokan, R. Sathya Narayanan, **S. Rajesh**, and V.M. Manickavasagam “Fabrication and testing of Abaca fibre reinforced Epoxy



composites for automotive applications”, Advanced Material Research, Vol.718-720,2013, pp 63-68 (Impact factor :0.158).

3. B. Vijaya Ramnath, **Rajesh S** , C. Elanchezhian , V. Vignesh, V. Vijai Rahul, V.Tamilselvan , S.U. Sathya Narayanan ‘ Investigation of Mechanical behaviour of Glass fibre based SiC polymer composites’, International Journal Applied Mechanics and Materials, Volume 591, June 2014, Pages 142-145. (Impact factor: 0.4).
4. B.Vijaya Ramnath, V.Santhosh Kumar, P.V.Nirmal, S.Karthick, G.Prem Kumar, C. Elanchezhian , **S.Rajesh**, K.Suresh, “Experimental Investigation of Mechanical behavior of Jute-Flax based Glass Fiber reinforced composite”, Fibers and polymers, Volume 15, Pages 1251-1262,2014. (Impact factor: 1.112).
5. B.Vijaya Ramnath, C. Elanchezhian, M.Jaivignesh, **S. Rajesh**, C. Parswajinan, A. Siddique Ahmed Ghias, “Evaluation of Mechanical Properties of Aluminium Alloy-Alumina-Boron Carbide Metal Matrix Composites”, Materials and design, Volume 58, June 2014, Pages 332-338. (Impact factor: 3.2).
6. **S.Rajesh**, B.Vijaya Ramnath, ‘Evaluation of tensile behaviour of GFRP/SiC polymer reinforced composites’, International Journal Applied Mechanics and Materials, Volume 766-767, 2015, Pages 70-72. (Impact factor: 0.4).
7. **S. Rajesh**, B. Vijaya Ramnath, “Investigation of Hardness and Impact Property of A Kevlar Composite”, International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 8 (2015).
8. **S. Rajesh**, B. Vijaya Ramnath, C. Elanchezhian, A. Santosh Shankar, S. Pithchai Pandian, S. Vickneshwaran, R. Sundar Rajan, “Investigation on Mechanical Behaviour of Twisted Natural Fiber Hybrid Composite Fabricated by Vacuum Assisted Compression Molding Technique”, Fibers and Polymers, Vol.17, No.1, 80-87, 2016.

9. **S. Rajesh**, B. Vijaya Ramnath, C.Elanchezhian, V.Sudharsanan, “Investigation of flexural response of kevlar composites”, Indian Journal of Science and Technology, Vol 9 S (1), DOI: 10.17485/ijst/2016/v9iS1/108441, December 2016.
10. B. Vijaya Ramnath , C. Elanchezhian , **S. Rajesh** , S. Jaya Prakash , B. Manoj Kumaar , K. Rajeshkannan, “Design and Development of Milling Fixture for Friction Stir Welding”. Materials Today: Proceedings 5, pp.1832–1838. 2018.
11. **S. Rajesh**, B. VijayaRamnath, C.Elanchezhian, M. Abhijith, R. Dinesh Riju, K. Kathir Kishan, “Investigation of Tensile Behavior of Kevlar Composite”. Materials Today: Proceedings 5, pp. 1156–1161, 2018.
12. S. Rajesh, B. VijayaRamnath, C.Elanchezhian, AkashChowdhury, R. AshwinSathya, K.R. Deepak, “Review on Testing of Polymer Fasteners”. Materials Today: Proceedings 5, pp. 1817–1823, 2018.
13. **S.Rajesh**, B.Vijaya Ramnath, C.Elanchezhian and S.Vivek : “Experimental Investigation of Tensile and Impact Behavior of Aramid-Natural Fiber Composite” ”- Accepted for publication in Materials Today Proceedings-Elsevier Publications selected from ICAMMAS17.
14. **Rajesh S**, Vijaya Ramnath B, Elanchezhian C, Jeykrishnan J, Jayanthi Nathan S and Karthik M.R. “Optimization of Machining Parameters of Aramid Natural Hybrid Composite in Abrasive Water Jet Machining using Taguchi Method”, Advanced Science, Engineering and Medicine, Pages 1-4, Accepted for ICMME 2017-SCSVMV, Volume 10 ,2018.
15. S. Sharavanan, B. Vijaya Ramnath, C. Elanchezhian and **S. Rajesh**, “Experimental Investigation of Tensile and Impact Behaviour of Hemp Flax Hybrid Composite”, International Journal of Mechanical and Production, Engineering Research and Development, Vol. 8, Issue 3, Jun 2018, 549-556.

16. S. Sharavanan, B. Vijaya Ramnath, M. Chandrasekaran and **S. Rajesh**, “Experimental Investigation of Flexural and Hardness Behaviour of Hemp Flax Hybrid Composite”, International Journal of Mechanical and Production, Engineering Research and Development, Vol. 8, Issue 4, August 2018, 55-60.
17. S. Rajesh, B. Vijaya Ramnath, B. Prashanth and M. Poorna Kumar “An Effect of Fiber Orientation of Tensile and Compressive Properties of Natural Hybrid Composites”, International Journal of Mechanical and Production, Engineering Research and Development, Vol. 9, Issue 1, 2018, 11-20.
18. S.Rajesh, M.Kesavan, B.Vijayaramnath, C.Elanchezhian, S.Vivek, M.Hari Prasadh, “Experimental Investigation of Tensile and Impact Behavior of Aramid-Natural Fiber Composite”, Materials Today: Proceedings, Vol.16, pp 699-705, 2019.
19. S. Rajesh, B. Vijaya Ramnath, C. Parswajinan, K. Vishnu, R. Sridhar, “ Multi Component Drill Jig for Brake Lining Component”, Materials Today: Proceedings, Volume 46, Part 9, 2021, pp. 3903-3906
20. S.Rajesh, B. VijayaRamnath, M. Jayasooriya and R. Ragavan, “Review on Mechanical Characteristics of Kevlar Composites” Journal of Mines, Metals and Fuels, 70(8A): 1-479; 2022. DOI: 10.18311/jmmf/2022/32004.

### **International Conference Proceedings**

1. B.Vijaya Ramnath, R. Niranjan raja, S. Junaid Kokan, R. Sathya Narayanan, **S. Rajesh**, and V.M.Manickavasagam, “Green Natural Fibre Composite: Concoction and Testing of Abaca Composite”, Proceedings of International Conference on INCAMA-2013, Dept. of Mechanical Engineering, Kalasalingam University, Srivilliputtur. Proc. pp.36-43, 2013.
2. C.Parswajinan, **S.Rajesh**, B.Vijaya Ramnath, C.Elanchezhian and S.Prabhu,” Experimental investigation on surface characteristics of Nano Iron”, Proceedings of

National Conference on NCAME -2013, Dept.of Mechanical Engineering, Sri Sairam Engineering College, Chennai. Proc. pp.36, 2013.

3. B. Vijaya Ramnath, **Rajesh S** , C. Elanchezhian , V. Vignesh, V. Vijai Rahul, V.Tamilselvan , S.U. Sathya Narayanan ‘Investigation of Mechanical behaviour of Glass fibre based SiC polymer composites’, Proceedings of International conference on ICCIAMR-2014, Dept. of Mechanical Engineering, VELS university, Chennai. Proc. pp.XXX, 2014.
4. B Vijaya Ramnath, **S Rajesh**, C.Elanchezhian, Vishal Chandrasekhar, Bala Avinash, “Investigation on influence of resin on Tensile behaviour of glass fibre-siC Polymer Reinforced Composites” Proceedings of International conference on ICMOC-2014, Dept. of Mechanical Engineering, Noorul Islam university, Kumaracoil. Proc. pp.XXX, 2014.
5. **S.Rajesh**, B.Vijaya Ramnath, ‘Investigation on influence of resin on Tensile behaviour of glass fibre-sic Polymer Reinforced Composites’, Proceedings of International conference - ICAMME 2014.
6. **S.Rajesh**, B.Vijaya Ramnath, C.Elanchezhian, S. Bharath, P. Ramanarayanan Application of MCDM model for Selecting Composite Manufacturing Technique, Proceedings of International Conference on Technological convergence for Information, health, food, Energy 2015 ( TCIFES 2015), organized by CSIR- CLRI on May 1 & 2 2015.
7. **Rajesh.S**, B.Vijaya Ramnath, C.Elanchezhian, Rayasam saisundararam, Siddarth.C.S, Varadarajan.S , “Multi component Drill Jig For Brake Lining Component “, Proceedings of International Conference on Technological convergence for Information, health, food, Energy 2015 ( TCIFES 2015), organized by CSIR- CLRI on May 1 & 2 2015.

8. **S. Rajesh**, B. Vijaya Ramnath, C.Elanchezhian, J. Jeykrishnan, T.Perunddevan, Lokesh Srinivasan S, “Optimization of Machining Parameters of Aramid Natural Hybrid Composite in Abrasive Water Jet Machining using Taguchi Method”, Proceedings of International Conference on Manufacturing Technology and Simulation (ICMTS-2017) IIT Madras, 7-8 July, 2017.
9. **S.Rajesh**, B.Vijaya Ramnath, J.Jeykrishnan, C.Elanchezhian, Akash Chowdhury, R Ashwin Sathya, V Varun Kalyanaraman, “Experimental Investigation of Mechanical and Machining Characteristics of Aramid-Natural Fiber Composite”, Proceedings of the “International Conference on Recent Innovations in Production Engineering” (RIPE 2017) held at Madras Institute of Technology on during 24<sup>th</sup> and 25<sup>th</sup> of March 2017.
10. **S.Rajesh**, B.Vijaya Ramnath, C.Elanchezhian, “Experimental Investigation of Mechanical behaviour of Aramid-Natural Hybrid Composite”, National Conference on Recent Advancement in Mechanical Science & Technology 2K17” (NCRAMST-2K17), held at St.Peter’s University during 23<sup>rd</sup> March 2017.
11. **Rajesh S**, Vijaya Ramnath B, Elanchezhian C, Jeykrishnan J, Jayanthi Nathan S and Karthik M.R. “Optimization of Machining Parameters of Aramid Natural Hybrid Composite in Abrasive Water Jet Machining using Taguchi Method”, International Conference on Mechanical and Manufacturing Engineering (ICMME -2017) held at Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Kanchipuram, India, held on 6<sup>th</sup>& 7<sup>th</sup> April 2017.
12. **S.Rajesh**, B. Vijaya Ramnath, “Investigation on Influence of Resin on Tensile Behaviour of Glass fiber- SiC Polymer Reinforced Composites”, National Conference on Recent Advancement in Mechanical Sciences”, held at St. Peter’s Institute of Higher Education and Research, on 22<sup>nd</sup> March 2018.
13. S.Rajesh, B.Vijaya Ramnath, “Experimental Investigation of Mechanical and Machining Characteristics of Aramid-Natural Fiber Composite” International Conference on

Advances in Material Science and Mechanical Engineering (ICAMSME 2020) 07th - 09th February, 2020 at N.B.K.R IST, Vidyanagar, Andhra Pradesh, India.

14. Rajesh.S, presented paper in the title "Investigation of mechanical behavior of twisted Kenaf- hemp hybrid composites" in the "5th International Conference On Advances In Mechanical Engineering (Icame 2024)", organised by the Department of Mechanical Engineering, SRM Institute of Science and Technology, Kattankulathur, Tamil Nadu, India during 20-22, March 2024.
15. Rajesh.S, Presented the paper entitled " Review on Tribological and machining characteristics of kevlar composites" in the 6th International Conference on Advancements in Materials and Manufacturing 2024 (ICAAMM-2024).
16. Rajesh.S, Presented paper in the International Conference held at New Prince Shri Bhavani College Of Engineering and Technology Chennai During 04th May 2024.

## **AWARDS & RECOGNITIONS**

- Guided and Awarded "First Prize" for the UG Project titled "Smart Multi Purpose Agricultural Companion" during Project Exhibition 2019 held at Sri Sairam Engineering College.
- Won "Best Design Award" for "EFFICYCLE 2019" event organized by SAE and Maruti Suzuki Limited held at Lovely Professional University during 1st to 5th October 2019.
- Guided and won the title "Dr. Kalam Young Achiever Award 2019" for the project "Smart Multipurpose Agricultural Companion" organized by World Youth Federation on 15th October 2019.
- Remarkable service as a Mentor and acting as a Guiding Star by supporting, Motivating and enlightening the Student Fraternity towards Development through skill rack platform.

- Reviewer on AICTE Sponsored Virtual International Conference on Materials, Manufacturing and Mechanical Engineering conducted by Sri Sai Ram Institute of Technology, Chennai conducted during 19<sup>th</sup> and 20<sup>th</sup> November 2020.
- Best academic excellence award by “Institution of Engineers”, India during the year 2023.

## **DIGITAL LEARNING COURSES**

- Attended National Programme on Technology Enhanced Learning (NPTEL) 8 weeks course entitled “Basics of Finite Element Analysis -I” organized by IIT Kanpur during February-March 2018 with “Elite” Category.
- Attended National Programme on Technology Enhanced Learning (NPTEL) 8 weeks course entitled “Manufacturing of Composites” organized by IIT Madras during Aug-September 2018 with “Elite” Category.
- Attended National Programme on Technology Enhanced Learning (NPTEL) 12 weeks course entitled “Introduction to Composites” organized by IIT Kanpur during January-April 2019 with “Elite” Category.
- Attended National Programme on Technology Enhanced Learning (NPTEL) 8 weeks course entitled “Robotics” organized by IIT Kharagpur during July-September 2019 with “Elite” Category.
- Attended online Course entitled “Beginning Fusion 360” organized by Autodesk Corporation in UDEMY Platform.

- Attended online Course entitled “Introduction to Robotic Process Automation -” organized by simpli learn in Future Skills Platform.
- Completed “Fusion 360: Introduction to CAD, CAM, and CAE” organized by Autodesk Design Academy.
- Completed the online Course entitled “Introduction to CAD, CAM, and Practical CNC Machining” by Autodesk incorporation in Coursera Platform.
- Completed the online Course entitled “3D Printing Hardware” by University of Illinois at Urbana-Champaign in Coursera Platform.
- Completed the online Course entitled “3D Printing Software” by University of Illinois at Urbana-Champaign in Coursera Platform.
- Completed the online Course entitled “3D Printing Applications” by University of Illinois at Urbana-Champaign in Coursera Platform.
- Completed the online Course entitled “3D Printing Revolution”, by University of Illinois at Urbana-Champaign in Coursera Platform.
- Completed the online Course entitled “Design Thinking for Innovation”, by University of Virginia in Coursera Platform.
- Completed the online Course entitled “The Sustainable Development Goals-A global, transdisciplinary Vision for the Future”, by University of Copenhagen in Coursera Platform.
- Completed the online Course entitled “Presentation Skills” by National Research Tomsk State University in Coursera Platform.
- Completed the online Course entitled “Excel Skills” by Macquarie University in Coursera Platform.
- Completed the online Course entitled “Digital Manufacturing and Design” by University at Buffalo in Coursera Platform.



- Completed the online Course entitled “How to write research paper” by Ecole Polytechnic in Coursera Platform.
- Attended National Initiative for Technical Teachers Training (NITTT) – Module 5(Technology Enabled Learning & Life Long Self Learning) on September 2021.
- Attended National Programme on Technology Enhanced Learning (NPTEL) 8 weeks course entitled “Nature and Properties of Materials” organized by IIT Madras during Jan-Apr 2022 with “Elite” Category.
- Attended National Programme on Technology Enhanced Learning (NPTEL) 12 weeks course entitled “Computer Integrated Manufacturing” organized by IIT Madras during Jan-Apr 2022 with “Elite” Category
- Attended National Programme on Technology Enhanced Learning (NPTEL) 12 weeks course entitled “Product Design and Manufacturing” organized by IIT Kanpur during Jan-Apr 2024 with “Elite” Category.