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## Mr. D.SATHISH M.E.

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Assistant Professor

Department of Mechanical Engineering.

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### **Educational Qualification:**

1. Completed M.E in Engineering Design from K.S.Rangasamy College of Technology in First Class during 2016.
2. Completed B.E in Mechanical Engineering from Knowledge Institute of Technology in First Class during 2014.

### **Experience:**

1. Worked as Assistant Professor in Department of Mechanical Engineering at K.S.Rangasamy College of Technology, Tiruchengode, Tamilnadu from 01.06.2016 to 31.05.2023.
2. Working as Assistant Professor in Department of Mechanical Engineering at Sri Sairam College of Engineering, Anekal, Bengaluru from 01.07.2024 to till date.

### **Publications:**

1. Published a SCI Paper on the title “Experimental Investigation on Mechanical Properties of TiB<sub>2</sub> & Nb Reinforced Aluminium 7075 for Pump Impeller” in the International Journal of European Chemical Bulletin, ISSN: 2063 – 5346, Special Issue 1, Part B, 2345 – 2353.
2. Published a SCI Paper on the title “Design and Fabrication of Butterfly Wind Mill Machine” in the International Journal of Early Childhood Special Education (INT- JECSE), ISSN: 1308 – 5581, Vol. No. 14, Issue 05 2022.

3. Published a Paper on the title “Combustion System in Gas Turbine and its Applications - An Expatiate View” in the International Journal of Advanced Research Methodology in Engineering & Technology, ISSN 2456 – 6446, Special Issue, March 2018, Pages (66-73).

#### **International Conference:**

1. Presented paper on the title “Design and Analysis of Overlapped Solar Air Heater by Using CFD” in International Workshop and Conference on Analysis and Applied Mathematics held on 6<sup>th</sup> June 2016 at National Institute of Technology, Tiruchirappalli.
2. Presented paper on the title “Combustion System in Gas Turbine and its Applications - An Expatiate View” at International Conference on Breakthrough in Engineering, Science & Technology – 2018 held on 23<sup>rd</sup> March 2018 at Salem.
3. Presented paper on the title “Experimental Investigation on Bio Diesel Production from Oxygenated Fuel and its Economic Analysis” in 2<sup>nd</sup> International conference on Advanced Sciences, Engineering and Management held on 6<sup>th</sup> and 7<sup>th</sup> April 2018 at Jay Shriram Group of Institutions.
4. Presented paper on the title on “Study on Mechanical Properties of Morus Fiber Reinforced Polymer Composites” at First International Conference on Recent Innovations in Robotics, Constructions and Mechanical Sciences ICRIRCMS 2022 held during 10<sup>th</sup> June – 11<sup>th</sup> June 2022 at K.S.Rangasamy College of Technology.

#### **National Conference:**

1. Presented a paper on the title “Design of Overlapped Solar Air Heater by using CFD” at National Conference on Design, Materials, Manufacturing and Construction Technologies held on 31<sup>st</sup> March 2016 at N.S.N College of Engineering and Technology.
2. Presented a paper on the title “Design of Overlapped Solar Air Heater using CFD” in National Workshop-Cum-Conference on Small Gas Turbines held on 28<sup>th</sup> and 29<sup>th</sup> January 2016 at K.S.Rangasamy College of Technology.
3. Presented project on the title “Performance Measurement of Green Implementation in Manufacturing Industries by Using MCDM Technique” in National Conference AMESHE-2014 held on 3<sup>rd</sup> may 2014.

4. Attended the National Conference on the title “Computational Fluid Dynamics Applications in Biotechnology Process” held on 18<sup>th</sup> & 19<sup>th</sup> August 2015.
5. Attended the one day national seminar on “Composite Materials” held on 11th October 2015.

### **Workshop & FDP:**

1. Attended the AICTE approved FDP (FDP101x) on “Foundation Program in ICT for Education” held on 8<sup>th</sup> March 2018 to 12<sup>th</sup> April 2018 conducted by Indian Institute of Technology, Bombay.
2. Attended the AICTE approved FDP (FDP201x) on “Pedagogy for Online and Blended Teaching Learning Process” held on 3<sup>rd</sup> May 2018 to 30<sup>th</sup> May 2018 conducted by Indian Institute of Technology, Bombay.
3. Attended the online Faculty Development Program on “Industry Drawings using AutoCAD” held on 22<sup>nd</sup> June 2020 to 27<sup>th</sup> June 2020 conducted by ICT Academy.
4. Attended the Faculty Development Program on “Multi Objective Optimization for Mechanical Engineering Applications” held from 8<sup>th</sup> June 2020 to 12<sup>th</sup> June 2020 organized by QIS College of Engineering and Technology.
5. Attended the Faculty Development Program on “Funding Opportunities for Research Projects” held on 24<sup>th</sup> June 2020 conducted by the Internal Quality Assurance Cell (IQAC), Periyar EVR College.
6. Attended the Two Weeks AICTE Sponsored Faculty Development Program on “Advanced Hydraulics and Pneumatics” conducted by P.S.G College of Technology, Coimbatore during 30<sup>th</sup> October 2017 to 11<sup>th</sup> November 2017.
7. Actively participated in the five day faculty programme on “Rural Immersion Camp” organized by KSRCT in collaboration with Mahatma Gandhi National Council of Rural Education, Hyderabad from 19<sup>th</sup> Aug 2019 to 23<sup>rd</sup> Aug 2019.
8. Attended workshop on “Intellectual Property Rights” held on 6<sup>th</sup> August 2016 at K.S.Rangasamy College of Technology.
9. Participated in one day workshop on “Writing Research Papers, Plagiarism and Citation Analysis” organized by Society for the Advancement of Library and Information Science (SALIS), Erode Chapter at KSRCT on 26<sup>th</sup> Jun 2015.

10. Participated in e-workshop on “Materials Processing and Technology” conducted on 27<sup>th</sup> Jun 2020 by Mahatma Gandhi Institute of Technology, Hyderabad.

### **Webinar:**

1. Attended a webinar on Engineering Graphics- an Indian National Book of Record Attempt on solving maximum number of problems in 30 minutes on 28<sup>th</sup> APR 2020.
2. Attended in webinar & Live Tour of 3D Printing, leading towards INDUSTRY 4.0 held on 03<sup>rd</sup> May 2020 through YouTube Live Streaming.
3. Attended a webinar on” Research Opportunities in the field Technology” by Dr. Vikas M. Phalle (Ph.D,I.I.T Roorkee) held on 28<sup>th</sup> May 2020 by Dr.Daulatrao Aher College of Engineering, Karad.
4. Participated in a webinar on “UM4EM (Use of MathCAD for 4 Engineering Mathematics Subjects)” held on 16<sup>th</sup> May 2020 by The Institutions of Engineers (India).
5. Attended a virtual webinar on “AUTODESK FUSION 360” held on 26<sup>th</sup> May 2020 by ICT Academy, Chennai.
6. Participated in the webinar on “Cloud Applications – Deployment and Maintenance” conducted on 01<sup>st</sup> Jun 2020 by SRM TRP Engineering College, Trichy.
7. Participated on “Our Thoughts – Our Life” during 19<sup>th</sup> Jun 2020 to 20<sup>th</sup> Jun 2020 by AVC college of Engineering, Mayiladuthurai.
8. Participated in virtual webinar on “Technological Innovation in Farming” on 10<sup>th</sup> Oct 2020 by Selvam College of Technology, Namakkal.

### **Special Course:**

1. Successfully completed the “Introduction to Machine Learning” Course offered by Great Learning Academy in April 2024.
2. Successfully completed the “Introduction to Deep Learning” Course offered by Great Learning Academy in April 2024.
3. Successfully completed the “Python Fundamental for Beginners” Course offered by Great Learning Academy in April 2024.
4. Successfully completed the “Intro to Graphic Design with Photoshop” Course offered by Great Learning Academy in April 2024.

5. Successfully completed the “UI/UX for Beginners” Course offered by Great Learning Academy in April 2024.
6. Participated in AICTE (MARGDARSHAN SCHEME) Sponsored Workshop on “NBA Accreditation Process” organized by Department of Mechanical Engineering at Kongu Engineering College from 12<sup>th</sup> Oct 2022 to 14<sup>th</sup> Oct 2022.
7. Attended the one week online certificate course on “DIGITAL TEACHING TECHNIQUES” organized by ICT Academy from 10<sup>th</sup> Aug 2020 to 15<sup>th</sup> Aug 2020.
8. Completed the APS Program satisfactorily under the guidance of Techzilon Training Solution at Bangalore from 17<sup>th</sup> Feb 2016 to 27<sup>th</sup> Feb 2016.
9. Attended the “Advanced Training Program” conducted by TVS TRAINING AND SERVICE LTD, CHENNAI during 4<sup>th</sup> June 2013 to 23<sup>rd</sup> January 2014.
10. Participated in Zonal Rounds of “ROBOTRYST 2012” a National Level Robotics Championship organized by Robosapiens Technologies Pvt. Ltd in association with E Cell IIT Kharagpur from 12<sup>th</sup> & 13<sup>th</sup> September 2011 at KIOT.
11. Successfully attended India First Leadership Talk with Mr.Shridhar Venkat, CEO (Akshay Patra Foundation) held on 20<sup>th</sup> June 2022 by MHRD’s Innovation Cell.
12. Successfully completed a short course on “Learn to design your own Solar Home System” has been conducted as a part of Energy Literacy Drive of the Energy Swaraj Foundation in association with K.S.Rangasamy College of Technology.
13. Successfully completed the National Level Awareness Quiz on “Test Your Immunity on Fact Versus Fake News on Covid-19” conducted on 08<sup>th</sup> May 2020 by Sakthi Institute of Information & Management Studies.

### **Paper Presentations:**

1. Presented paper on the topic on “Advance in Automobile Braking System” in “KARPAGAM UNIVERSITY”, Coimbatore during 23<sup>rd</sup> & 24<sup>th</sup> September 2011.
2. Presented paper on the topic on “Renewable Energy Sources” in “ERODE BUILDERS EDUCATIONAL TRUST GROUP OF INSTITUTIONS”, Erode during 18<sup>th</sup> February 2012.
3. Presented paper on the topic of “Advantage of Composite in Automobiles” in “CHENNAI INSTITUTE OF TECHNOLOGY”, Chennai during 20<sup>th</sup> February 2012.

### **Trainings:**

1. Undergone inplant training at “ROBERT BOSCH AUTO DIESEL WORKS” in Salem from 8<sup>th</sup> to 10<sup>th</sup> December 2011.
2. Undergone inplant training at “SALEM SUZUKI MOTOR CORPORATION” in Salem from 6<sup>th</sup> to 9<sup>th</sup> June 2012.
3. Visited “JANATICS – PNEUMATICS”, Coimbatore during 02<sup>nd</sup> October 2017 & “MARICO INDUSTRIES”, Avinashi during 04<sup>th</sup> October 2017.
4. Undergone Industrial Visit to “BEML, ASHOK LEYLAND, LMW & DMW Companies.

### **Achievement:**

1. Secured national level best project award by the ICTACT Student Innovator Award 2014.
2. Secured “UNDER GRADUATE BEST PROJECT AWARD” national level best project award by The Institution of Engineers (India).
3. Bagged second prize in “MAKE A PRODUCT” competition for developing a Marketing Product.
4. Secured various prizes in Inter College Competitions.

### **Responsibilities:**

1. Coordinator for Criteria 2 in NAAC.
2. Coordinator for Criteria 4 in NBA.
3. Class Advisor.
4. Placement Cell Incharge.