




**DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT**  
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

Udayapura, Opp. Art of living, Kanakapura Road, Bangalore – 560082.

**DEPARTMENT OF MECHANICAL ENGINEERING**

Accredited by NBA, New Delhi



<b>Faculty Name</b>	Mr. VEERESH MURTHY	
<b>Designation</b>	ASSISTANT PROFESSOR	
<b>Experience In Years</b>	9	
<b>Date of Joining</b>	30/07/2013	
<b>Area of Interest</b>	Friction Stir Welding, Surface Compositing, Composite Material, Aeronautical Materials, ERP, Design	
<b>Email Id</b>	<a href="mailto:veeresh-me@dsatm.edu.in">veeresh-me@dsatm.edu.in</a>	

### EDUCATIONAL DETAILS

1. M.E - Manufacturing Science and Engineering, Year of Passing-2013, University Visvesvaraya College of Engineering, Bangalore University
2. B.E – Mechanical Engineering, Year of Passing-2011, Ghousia College of Engineering, Ramanagara, Visvesvaraya Technological University

### PROFESSIONAL EXPERIENCE

Working as Assistant Professor in Department of Mechanical Engineering, Dayananda Sagar Academy of Technology and Management from 31 July 2013 to till date.

### PUBLICATIONS

1. **Veeresh Murthy**, Kalmeshwar Ullegaddi, Mahesh.B, B.M.Rajaprakash, “Study on influence of concave geometry shoulder tool in Friction Stir Welding (FSW) by using image processing and acoustic emission techniques”, **Elsevier** Materials Today: Proceedings, Article reference: MATPR6580, Vol-5, issue-13P3, pp: 27004–27017, 2018, DOI:10.1016/j.matpr.2018.09.004, ISSN: 2214-7853, **2018**.
2. **Veeresh Murthy**, B.M. Rajaprakash, “Investigation on the effect of Friction Stir Processing on Tribological and Mechanical properties of Al 7075-T651 Alloy”, American Institute of Physics (**AIP**)1943, 020049-1-8(**2018**); DOI:10.1063/1.5029625.
3. **Veeresh Murthy**, Kalmeshwar Ullegaddi, Mahesh.B, B.M. Raja Prakash, “Application of Image Processing and Acoustic Emission Technique in Monitoring of Friction Stir Welding Process”, **Elsevier** Materials Today: Proceedings\*\*, Vol 4, issue:8, pp: 9186–9195, 2017, DOI: 10.1016/j.matpr.2017.07.276, ISSN:2214-7853, **2017**.
4. Kalmeshwar Ullegaddi, **Veeresh Murthy**, Harsha R N, Manjunatha “Friction Stir Welding Tool Design and Their Effect on Welding of AA-6082 T6”, **Elsevier** Materials Today: Proceedings, Vol 4, issue:8, Page No 7962–7970, 2017, DOI: 10.1016/j.matpr.2017.07.133, ISSN:2214-7853, **2017**.
5. **Veeresh Murthy**, B.M. Raja Prakash, “A Review on Optimization Methods to study Effect of process parameters in Friction Stir Welding”, **IJERT**, ISSN: 2278-0181, Volume 4, Issue-31, Page No 48-53, **2016**.

## RESEARCH PAPERS PRESENTED IN INTERNATIONAL CONFERENCE

1. **“Investigation on the effect of Friction Stir Processing on Tribological and Mechanical properties of Al 7075-T651 Alloy”**, International Conference on Design, Materials & Manufacture (IcDeM-2018) held on January 29-31, 2018 organized by Department of Mechanical Engineering, National Institute of Technology Karnataka Surathkal (NITK)-575 025, Mangalore, Karnataka, India.
2. **“Municipal Solid Waste Management for Smart cities of India through plasma gasification process”**, International Conference on Advancements in Mechanical Engineering Sciences (ICAMES-2017), held at PES College of Engineering (Autonomous), Mandya on 21<sup>st</sup> -22<sup>nd</sup> April 2017.
3. **“Study on influence of concave geometry shoulder tool in Friction Stir Welding (FSW) by using image processing and acoustic emission techniques”**, International Conference on Advances in Materials for Manufacturing (ICAMM- 2016), jointly organized by University College of Engineering (Autonomous), Osmania University and Defence Research & Development Laboratory (DRDL), DRDO, Hyderabad on 8<sup>th</sup> - 10<sup>th</sup> December 2016.
4. **“Application of Image Processing and Acoustic Emission Technique in Monitoring of Friction Stir Welding Process”**, International Conference on Advancements in Aeromechanical Materials for Manufacturing (ICAAMM- 2016), held at MLR Institute of Technology (Autonomous), Hyderabad on 7<sup>th</sup> - 9<sup>th</sup> July 2016.
5. **“Friction Stir Welding Tool Design and Their Effect on Welding of AA-6082 T6”**, International Conference on Advancements in Aeromechanical Materials for Manufacturing (ICAAMM- 2016), held at MLR Institute of Technology (Autonomous), Hyderabad on 7<sup>th</sup> -9<sup>th</sup> July 2016.

## RESEARCH PAPERS PRESENTED IN NATIONAL CONFERENCE

1. **“Automatic Garbage cleaner”**, NCCSTM – 2018, held at DSATM, Bengaluru.
2. **“Forkless Two Wheeler Steering System”**, NCCSTM – 2018, held at DSATM , Bengaluru.
3. **“Multipurpose Cocoon Harvesting Machine”**, Third National Conference on Convergence of Science, Technology and Management (NCCSTM- 2017) held at DSATM on 19<sup>th</sup> May 2017, Bengaluru, ISBN: 978-93-85682-48-3, Pg 104.
4. **“A Review on Optimization Methods to study Effect of process parameters in Friction Stir Welding”**, National Conference on Emerging Trends in Mechanical Engineering and Technology (ETMET-16) at JIT, Bengaluru held during 19<sup>th</sup> -20<sup>th</sup> August 2016.
5. **“Parametric optimization of wire cut EDM on oil hardened non-shrinking steel”**, National Conference on Convergence of Science, Technology and Management (NCCSTM-2016), at DSATM, Bengaluru held on 5<sup>th</sup> May 2016, ISBN: 978-93-84935-97-9.
6. **“Review on Cryogenic Technology and its Applications in Engineering”**, National Conference on Convergence of Science, Technology and Management (NCCSTM- 2016) at DSATM, Bengaluru held on 5<sup>th</sup> May 2016, ISBN: 978-93-84935-97-9.
7. **“Review on application of Theo Jansen mechanism in modern engineering”**, National Conference on Convergence of Science, Technology and Management (NCCSTM-2016) at DSATM, Bengaluru held on 5<sup>th</sup> May 2016, ISBN: 978-93-84935-97-9.
8. **“Optimization of Polymer Stretching Machine”**, First National Conference on Green Computing Technologies (NCGCT-2015) held at DSATM on 7<sup>th</sup> May 2015, Bengaluru, ISBN: 978-93-84935-31-3, Pg 88.
9. **“Studies on Mechanical Properties of Aluminium Metal Matrix Composites Reinforced with Alumina”**, First National Conference on Green Computing Technologies (NCGCT-2015), held at DSATM on 7<sup>th</sup> May 2015, Bengaluru,
10. **“Fabrication of Nano-Polymer Matrix Composite material for biomedical applications”**, National Conference on Emerging Trends in Engineering and Technology (G Tech-14), held at GMIT on 28<sup>th</sup> March 2014, Mandya.
11. State level conference on Emerging Trends in Engineering and Technology at Raman Polytechnic,

Bangalore held on 23<sup>rd</sup> Aug 2014.

12. “**Application of Scram Jet**” A National Level Student Sypoium-11 at GCE, Ramanagara held on 3<sup>rd</sup> May 2011.

### **FACULTY DEVELOPMENT ACTIVITY**

1. NI LabVIEW core 1 & core 2 course at **DSATM** during 08<sup>th</sup> to 13<sup>th</sup> June 2018.
2. DST sponsored “10<sup>th</sup> Summer School in Tribology”, organized by Tribology Society of India at Indian Oil Institute of Petroleum Management (**IIPM**), **Gurgaon**, Hariyana-12201 During 18<sup>th</sup> -22<sup>nd</sup> June 2018.
3. TEQIP-III sponsored short term course on “Advances in welding and /material Processing” organized by the Department of Mechanical Engineering, **PSG college** of Technology, Coimbatore during 18<sup>th</sup> to 20<sup>th</sup> December 2017.
4. QIP short term course on “Aircraft stealth technology” organized by **IIT Bombay**, held during 10<sup>th</sup> to 14<sup>th</sup> November 2017.
5. ISTE sponsored National Level Workshop on “Writing Research Proposal, IPR & Patenting” organized by Department of Mechanical Engineering, **ACSCE**, Bengaluru from 31<sup>st</sup> July to 2<sup>nd</sup> Aug 2017.
6. TEQIP sponsored National Level Workshop on “Nanomaterials and Nanocomposites”, organized by Department of Mechanical Engineering, **MSRIT**, Bengaluru held during 20<sup>th</sup> -25<sup>th</sup> June 2016.
7. TEQIP sponsored Faculty Development Program on “Acoustic Emission and its Applications”, organized by Department of Mechanical Engineering, **PES** College of Engineering, Mandya, from 30<sup>th</sup> July to 3<sup>rd</sup> Aug 2016.
8. ISTE sponsored Faculty Development Program on “Modern Technologies in Foundry Practice”, organized by Department of Mechanical Engineering, **JSSATM**, Bangalore, from 4<sup>th</sup> to 8<sup>th</sup> Jan 2016.
9. Two-day workshop on “Flow Visualization using photographic technique in science and engineering applications” organized by Department of Mechanical Engineering, **UVCE**, Bangalore, from 15<sup>th</sup> to 16<sup>th</sup> April 2015.
10. Two-day workshop on “Research Avenues in Mechanical Engineering” organized by Department of Mechanical Engineering, **UVCE**, Bangalore held during 15<sup>th</sup> -16<sup>th</sup> May 2015.
11. Two Day Workshop on “Noise, Vibration and Acoustics- Theory and applications”, organized by Department of Mechanical Engineering, **RVCE** held during 13<sup>th</sup> -14<sup>th</sup> December 2013.

### **Workshop/seminar/Events conducted**

1. “Teachers day” celebrated on 8<sup>th</sup> September 2018 at DSATM, Bangalore.
2. Two day Capacity enhancement programme conducted on “Intellectual Property Rights” at DSATM, from 14<sup>th</sup> -15<sup>th</sup> February 2019.
3. ISTE student and faculty chapters’ inaugural function was conducted on 21<sup>st</sup> December 2018 under DSATM-ISTE chapter at DSATM.

### **Achievements and Awards**

1. Received appreciation letter from the management for good student’s feedback during the academic year 2016-17, 2018-19.
2. Received Best teacher award for achieved 100 percent Result during the academic year 2017-18, 2018-19.

### **Professional Membership**

1. AMIE Life Member (Institute of Engineers (India))
2. MISTE Life Member (ISTE)
3. Member of Tribology society of India (MTSI)

**Research Grants and consultancy**

SN	Title of Project	Organization	Proposed grant (Rs)	Status
1	Evaluation of natural fiber with conductive carbon black/Graphene composite for mechanical and dielectric properties.	AR&DB-2018-19	8,40,000/-	Submitted
2	Design and fabrication of automatic tyre pressure inflation system for automobile vehicles	KSCST- 2018-19	5000/-	Received
3	IOT Based drilling machine	KSCST- 2017-18	3,500/-	Received
Consultancy				
	Topic	Role		
1	SAP MM, Implementation and rollout project consultant	Consultancy		
2	Development of composites	Project consultant		
3	Air condition parts design	Design consultant		

**My Vision**

Encourage students towards technical research work.

Place : Bengaluru

[VEERESH MURTHY]