




**DAYANANDA SAGAR ACADEMY OF TECHNOLOGY AND MANAGEMENT**  
22 Mile, B.M Kaval, Udayapura, Kanakapura Road, Bangalore-560082.

**DEPARTMENT OF MECHANICAL ENGINEERING**

<b>Faculty Name</b>	<b>VEERESH MURTHY</b>	
<b>Designation</b>	<b>Assistant Professor</b>	
<b>Employee ID</b>	<b>180153</b>	
<b>Educational Qualification</b>	B.E., M.E., (Ph.D.), C Eng., AMIE., MISTE	
<b>Experience in Years</b>	<b>5</b>	
<b>Area of Interest</b>	Tribology, Friction Stir Processing, Friction Stir Welding, Surface Composites, Radar Absorbing Materials	
<b>Email ID</b>	<a href="mailto:veereshdsatm@gmail.com">veereshdsatm@gmail.com</a>	

**Educational Details**

1. Ph.D - (Pursuing) University Visvesvaraya College of Engineering, Bangalore University
2. M.E - Manufacturing Science and Engineering, Year of Passing-2013, University Visvesvaraya College of Engineering, Bangalore University
3. 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**

**TECHNICAL PAPERS PUBLISHED IN INTERNATIONAL JOURNALS:**

1. **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 1943, 020049(2018); DOI:10.1063/1.5029625.
2. **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, Page No 9186–9195, 2017.
3. Kalmeshwar Ullegaddi, **Veeresh Murthy**, Harsha R.N, Manjunatha “**Friction Stir Welding Tool Design and Their Effect on Welding of AA-6082T6**”, **Elsevier Materials Today: Proceedings**, Vol 4, Page No 7962–7970, 2017.
4. **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** \*\*, 2017.

5. **VeereshMurthy**, 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.
6. **Veeresh Murthy**, Vineeth R, Sunil.R, RhulChakravarthi, Ayyappa, “Municipal Solid Waste Management for Smart cities of India through plasma gasification process”, **IFERP\*\***, 2017.

### **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 the 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 Symposium-11 at GCE, Ramanagara held on 3<sup>rd</sup> May 2011.

## TRAINING PROGRAMS/WORKSHOPS/QIPS ATTENDED

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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 December 2013.

## Professional Membership

- AMIE Life Member (Institute of Engineers (India))
- MISTE Life Member (ISTE)
- Chartered Engineer (C.Eng)

## Contact Details

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## My Vision

Encourage students towards technical research work.