




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

DEPARTMENT OF MECHANICAL ENGINEERING

Faculty Name	Ashok Kumar M S	
Designation	Assistant Professor	
Educational Qualification	M.Tech (Ph.D)	
Experience in Years	8	
Area of Interest	Composites, Tribology	
Email ID	ashok_2066@rediffmail.com	

Educational Details

- Ph.D - Pursuing
- M.Tech – Computer Integrated Manufacturing
- B.E - Mechanical Engineering

Personal Details

- Date of Birth: 12/1/09/1984
- Hobbies: Playing Sports, Travelling.
- Languages Know: Kannada , English, Hindi

Professional Experience

- Worked as Lecturer in PES college at Mandya from Feb 2010 to July 2011.

Publications

International Journals:

- “Statistical Analysis for Detecting Tool wear in turning A356 MMC with 20% SiC using GMDH” - International Conference on Futuristic Trends in Mechanical Engineering (ICFTME-2012), held at Thiruvalluvar College of Engineering and Technology, Vandavasi on January 28th and 29th 2012. Global Journal of Mechanical Engineering & Computer Science, 2012: 2 (2) 2012: Pp.95-99
- “Evaluation of Tribological Properties of A356-Al₂O₃ Metal Matrix Composites” Honnaiah C, Ashok Kumar M S* and S L Ajit Prasad. International Journal of Mechanical Engineering and Robotics Research, India. ISSN 2278 – 0149 www.ijmerr.com, Vol. 3, No. 2, April 2014© 2014 IJMERR.
- “Experimental Investigations on Mechanical & Tribological Properties of Extruded Aluminium A356 - AL₂O₃ Stir Cast MMC” published in Materials Today Proceedings Volume 5, Issue 1P3 (2018) Page No 3044-3051

National Conferences:

- Presented technical paper Titled “An Insight into Rapid Manufacturing of IN VIVO Devices” at National Conference on Rapid Prototyping and Manufacturing –RPM 2009 at R.V.College Of

Engineering. Bangalore.

- Presented technical paper Titled “Manufacturing of *In vivo* Devices using Rapid Prototyping Techniques” at National conference on Advances in Mechanical Engineering NAME2010 at JNNCE , Shimoga .
- Presented Technical Paper Titled “Influence of Cutting forces in Machining of Aluminium Metal Matrix Composite (A356 - Al₂O₃)” Harsha R, Kaushik Kumar, Satish.M, Ashok Kumar.M.S. National Conference on Emerging Trends in Engineering & Technology at G. Madegowda Institute of Technology (GMIT) Bharathinagara (K.M.Doddi), Mandya- 571422.
- Presented Technical Paper Titled “Experimental investigations on Surface Roughness of Aluminium Metal Matrix Composite (A356 - Al₂O₃)” Vijay.C.Parihar, Mukkaram Sultan, Suraj.S, Ashok Kumar.M.S. National Conference on Emerging Trends in Engineering & Technology at G. Madegowda Institute of Technology (GMIT) Bharathinagara (K.M.Doddi), Mandya- 571422
- Presented Technical Paper Titled “Emerging trends in Mechanical Engineering”, Sandeep.s, Chiranth.R, Ashok Kumar.M.S. National Conference on Emerging Trends in Engineering & Technology at G. Madegowda Institute of Technology (GMIT) Bharathinagara (K.M.Doddi), Mandya- 571422.
- Presented Technical Paper Titled “Rapid Prototyping”, V.M.Chirag, Puneeth.G, Shreyas.S.P, Ashok Kumar.M.S. National Conference on Emerging Trends in Engineering & Technology at G. Madegowda Institute of Technology (GMIT) Bharathinagara (K.M.Doddi), Mandya- 571422.
- Presented Technical Paper Titled “A Study on Mechanical Behaviour of Aluminium Based MMC Reinforced With Alumina (A356-Al₂O₃)”, Krishna Murthy, Ashok Kumar.M.S, S.L.Ajit Prasad, 1st National Conference on Advances in Mechanical Engineering at AMC College of Engineering Bangalore-83
- Presented Technical Paper Titled “Experimental investigations on Surface Roughness of Aluminium Metal Matrix Composite (A356 - Al₂O₃) Krishna Murthy, Ashok Kumar.M.S, S.L.Ajit Prasad, 1st National Conference on Advances in Mechanical Engineering at AMC College of Engineering Bangalore-83.
- Presented Technical Paper Titled “A Study on Mechanical Behaviour of Hot Extruded Aluminium Based MMC Reinforced With Varying Alumina Particles (A356-Al₂O₃) Ashok Kumar.M.S, Honnaiaha.C, Swetha at 5th National Conference on Emerging Trends in Engineering Technology at Jyothi Institute of Technology Bangalore-83.

International Conferences:

- Presented technical paper Titled “Prediction of Tool Wear by Group Method of Data Handling (GMDH)” at International conference on Emerging Trends in Engineering, ICETE-2011 at NMAM, Nitte.
- Presented Technical Paper Titled “Studies on A356 –Al₂O₃ Metal Matrix Composites” at International Conference on Science, Engineering and Management in Education and Research – A Global Perspective at Dayananda Sagar Institutions, Bangalore-82, on 26-27th September 2013.
- Presented Technical Paper titled “Experimental Investigations on Mechanical & Tribological Properties of Extruded Aluminium A356 - AL₂O₃ Stir Cast MMC” at International conference on Advances Materials & Applications (ICAMA 2016) 15/6/2016 -17/6/2016 at BMS College of Engineering Bangalore.
- Presented Technical Paper titled “Influence of Extrusion process on Mechanical and Tribological Properties of Aluminium A356 - AL₂O₃ Stir Cast MMC” at International conference on Advances in Materials & Manufacturing (ICAMM 2016) 8/12/2016 -10/12/2016 at OSMANIA University

Hyderabad. e-ISBN: 978-93-86256-19-5.

- Presented Technical Paper titled “Mechanical and Tribological Characterization of Aluminium based Hybrid Metal Matrix Composites” at International conference on Advances in Mechanical Engineering and Sciences (ICAMES 2017) 21/04/2017 - 22/04/2017 at PES college of Engineering, Mandya in association with Institute for Engineering Research and Publications (IFERP).
- Presented Technical Paper titled “Evaluation of Mechanical and Tribological Behaviors of As Cast and Extruded Aluminium A356 – Al₂O₃ – MoS₂ Hybrid MMCs” at International conference at Industrial Tribology at Kolkatta (ICIT 2017) 06/12/2017 -09/12/2017 organized by Tribology society of India and Balmer Lawrie Co Ltd.
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Awards

- Secure Gold Medal and Ist Rank in M.Tech (Computer Integrated Manufacturing)

Academic Activity

- 3 Day Workshop on “National Board of Accreditation (NBA)” on 11th to 13th of December 2017 organized by DSATM, Bengaluru. Teaching and continuous evaluation as per University norms.
- NBA coordinator for Mechanical Department
- Lab Incharge for CIM & Automation Lab

Faculty Development Activity

- Participated in the Short Term Training Programme on Advances in Design, Manufacturing and Analysis of Composites and Smart Materials, STTP 2010 at N.I.T.K, Suratkal.
- Participated in the Faculty Development Programme on Teaching Methodologies in Thermodynamics, THERMODYN-2011 at G.S.S. Institute of Technology, Bangalore.
- Participated in the Faculty Development Programme on Finite Element Modelling and Analysis at Maharaja Institute of Technology, Mysore.
- Participated in the Two days workshop on composites at N.I.E, Mysore
- Chief Faculty Advisor for Developing Go- Kart Vehicle for the SAE members at Dayananda Sagar Academy of Technology & Management.
- Trainer for Rexroth Bosch Hydraulics & Pneumatics drive control system at Dayananda Sagar University, Bangalore.
- Participated in one day workshop on composites at B M S College of Engineering, Bangalore.
- Participated in 5days Summer School Training at IIPM, New Delhi from 18/6/2017 to 22/7/2017.
- Participated in one week refresher programme on Design Elements at Vidya Vardhaka College of Engineering Mysore from 2/7/2018- 7/7/2018.

Professional Membership

- Life time Member of Tribology Society of India, Delhi
- Society of Automotive Engineering
- Life time Member of Indian Society of Technical Education, Delhi

Contact Details

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My Vision

- To be associated with a progressive organization that provides opportunity to contribute towards the growth of the organization
- Apply my knowledge and skills in accordance with the latest technologies.
- To be dedicated towards the work assigned.