



**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>VIJAYA G</b>	
<b>Designation</b>	<b>Assistant Professor</b>	
<b>Educational Qualification</b>	<b>B.E., M.Tech, (Ph.D)</b>	
<b>Experience in Years</b>	<b>7</b>	
<b>Area of Interest</b>	<b>Product Design, Nano-Thin Film Technology</b>	
<b>Email ID</b>	<b>vijaytke@gmail.com</b>	

**Educational Details**

- Ph. D – RVCE, Thin film Technology VTU, Belagavi
- M.Tech –Product Design and Manufacturing, Bengaluru.
- B.E- Mechanical Engineering, SIET, Tumkur, VTU ,Belagavi

**Personal Details**

- Date of Birth:23.10.1985
- Hobbies: Meditation, Updating to Current technology in thin film area
- Languages Known: Kannada, English, Hindi

**Professional Experience**

- Worked as Research Assistant in RVCE at Bengaluru from Dec 2009 to July2010
- Worked as Design Engineer in Syncolite India Pvt Ltd at Bengaluru from July2010 to July2011
- Worked as Design Engineer in Concurrent Engineering Solutions at Bengaluru from July2011 to Dec 2011
- Worked as Senior Research Fellow in RVCE at Bengaluru from Jan 2012 to Aug 2016

**Publications**

**International Journals:**

- Vijaya G , Muralidhar Singh M, Krupashankara M S,and RSKulkarni “Effect of Argon Gas Flow Rate on the Optical and Mechanical Properties of Sputtered Tungsten Thin Film Coatings” IOP Conf. Series: Materials Science and Engineering 149 (2016) 012075 doi:10.1088/1757-899X/149/1/012075.
- Vijaya G, Muralidhar Singh. M, M.R. Srinivas, B.S. Satyanarayana, R.S. Kulkarni “Optimization of Thin Film Multilayered Coating for Absorption of Solar Radiation”,International Journal of ChemTech Research, Vol.7, No.2,2015, PP 1045-1052.
- Muralidhar Singh M, Vijaya G, Krupashankara M S, B K Sridhara, T N Shridhar “Studies on Nanostructure Aluminium Thin Film Coatings Deposited using DC magnetron Sputtering Process” IOP Conf. Series: Materials Science and Engineering 149, 2016, 012071 doi:10.1088/1757-899X/149/1/012071.

- Muralidhar Singh M, Vijaya G, Krupashankara M S, B K Sridhara, T N Shridhar “Simulation Studies on Ceramic Coatings on Aluminium thin films for Solar Reflector Application”, International Journal of Chem Tech Research, Vol. 8, Number 12, 2016, pp. 360-366.

#### **Conferences:**

- Vijaya.G, Muralidhar Singh M, Krupashankara M S, M R Srinivas, R.S.Kulkarni “Development and Analysis of Tungsten-Aluminum oxide based solar thermal multilayer Coating” International Conference on Advanced Materials and Applications, BMS College of Engineering, Bangalore, June 15-16, 2016.
- Vijaya.G, Muralidhar Singh M, Krupashankara M S, M R Srinivas, R.S.Kulkarni “Development and Analysis of Tungsten Thin film Coating for Solar Absorption” International Conference on Advanced Materials and Applications, BMS College of Engineering, Bangalore, June 15-16, 2016.
- Krupashankara M.S, Muralidhar Singh. M, Vijaya G, B.S. Satyanarayana “Studies on Nanostructure Tungsten Thin Film Coatings Deposited using Different power supply for Magnetron Sputtering Process” Proceedings of the International Conference on Funtional Materials @ Nanoscale: Concerns and Challenges , Karmaveer Bhaurao Patil Mahavidyalaya, Pandharpur, March 9-11, 2015, PP 138.
- Krupashankara M. S, Vijaya G, Muralidhar Singh M, B.S. Satyanarayana “Studies on Nanostructured Tungsten Thin Film Coatings Deposited using Pulsed DC Magnetron Sputtering Process” 3rd International Conference NANOCON 014 on Nanotechnology - Smart Materials, Composites, Applications and New Inventions - 14-15 October, 2014.
- Muralidhar Singh M, Vijaya G, Krupashankara M S, B K Sridhara, T N Shridhar “Deposition and Characterization of Aluminium Thin film Coatings using DC Magnetron Sputtering Process” International Conference on Advanced Materials and Applications, BMS College of Engineering, Bangalore, June 15-16, 2016.
- Muralidhar Singh M, Vijaya G, Krupashankara M S, B K Sridhara, T N Shridhar “Studies on Thin Film Multilayer Coatings Deposited using Sputtering Process” International Conference on Advanced Materials and Applications-ICAMA2016, BMS College of Engineering, Bangalore, June 15-16, 2016.

#### **Awards**

- “Robust design Approach to design of cantilever type MEMS switch” Dr.AIT Bangalore (1 st Prize-Best paper) 2010.

#### **Academic Activity**

- 3 Day Workshop on “*National Board of Accreditation (NBA)*” on 11<sup>th</sup> to 13<sup>th</sup> of December 2017 organized by DSATM, Bengaluru.
- Department NBA Co-Coordinator for the Year 2017-18

#### **Contact Details**

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### **My Vision**

I will strive to be a dynamic centre of innovation and creativity dedicated to teaching, lifelong learning, professionalism, research and development..