




## K. S. SCHOOL OF ENGINEERING AND MANAGEMENT

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<b>Faculty Name</b>	AKASH DEEP B N	
<b>Designation</b>	ASSISTANT PROFESSOR	
<b>Educational Qualification</b>	BE (MECHANICAL) M TECH (MACHINE DESIGN)	
<b>Experience in Years</b>	13	
<b>Areas of Interest</b>	MACHINE DESIGN	
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### Educational Details

Examination/ Degree	College / University	Year of Passing
UG	S.J.C.I.T Chickballapur/ Visvesvaraya Technological University	2007
PG	S.J.C.I.T Chickballapur/ Visvesvaraya Technological University	2009
PhD	BGS R&D CENTRE/ Visvesvaraya Technological University	Perusing

### Publications

#### Journal Publications:

#### International Journal

1. B.N. Akash Deep a , S. Rajanna b , K.N. Krishnamurthy c,\* Ultrasonic assisted stir squeeze casting of AA5456/Al<sub>2</sub>O<sub>3</sub>-SiC-Gr-MoS<sub>2</sub> hybrid nanocomposites: Microstructure and strengthening analysis. **Journal of Materials Research and Technology** **34** (2025) 1611–1635
2. Sujan T N, Mr. Krishnamurthy K N & **Mr. Akash Deep B N**. Experimental Investigation on C and V Shaped Inline and Staggered Fins Array Using Forced Convective Heat Transfer. **Imperial Journal of Interdisciplinary Research (IJIR)**. Volume-2, Issue-9, 2016 ISSN: 2454-1362.
3. Vinaya Kumara U M , Mr. Krishnamurthy K.N & **Akash Deep B N**. Experimental Analysis of Rectangular Fin Arrays with Continuous Fin and Interrupted Fins Using Natural and Forced Convection. **International Journal of Innovative Research in Science, Engineering and Technology**. Vol. 5, Issue 8, August 2016. ISSN(Online) : 2319-8753. ISSN (Print) : 2347-6710
4. Avinasha P.S, Krishnamurthy K.N, **Akash Deep B.N**. Performance and Emission Analysis of Mahua Biodiesel Blends with Diesel Oil using Single Cylinder Diesel Engine. **International Journal of Engineering and Advanced Technology (IJEAT)**. Volume-4 Issue 6, page No.: 23-26, August 2015. ISSN: 2249-8958. <http://www.ijeat.org/v4i6.php>.
5. Shivakumar H, Krishnamurthy K N, **Akashdeep B.**, Heat Transfer Simulation of Impinging Jet with Finned Heat Sink. **International Journal of Research in Advent Technology**, Volume No. 02, Issue No. 08, August 2014 E-ISSN: 2321-9637.
6. Shivaprakasha C M, Krishnamurthy K N, **Akashdeep B N.**, Optimization of Time and Rotational Speed of Disc for Tinned Milk Using Numerical Simulations for Uniform Heat

Distribution. **International Journal of Advanced Technology in Engineering and science**, Volume No. 02, Issue No. 08, August 2014. ISSN (online): 2348-7550. [www.ijates.com](http://www.ijates.com).

7. Raghavendra P.M., Krishnamurthy K N, **Akashdeep B N.**, Performance and Emission Characteristics of Zirconia Coating on I.C Engine Using Callophyllum Biodiesel as a Fuel for Varying Injection pressure. **International Journal of Science and Engineering Applications** Volume 3, Issue 4, July - August 2014.
8. Krishnamurthy K.N., Shashishekar K.S. and **Akashdeep B.N.**, Performance Analysis of Vacuum Tube Collectors for Hard Water Using Jacket Type Heat Exchanger. **International Journal of Engineering Research and Technology**, Volume 3, Number 3 (2010), pp. 641—651, © International Research Publication House <http://www.irphouse.com>

### Conference Papers:

#### NATIONAL

1. **Akash deep B.N.**, Krishnamurthy K.N., S.Rajanna. Study on Mechanical Response of Dual Phase Steel (DPS). **National Conference on Mechanical Engineering**, pp 97 - 108. Organized by Department of Mechanical Engineering, M.S. Ramaiah Institute of Technology, Bangalore, Karnataka, India on November 13<sup>th</sup> and 14<sup>th</sup> 2009.
2. **Akash deep B.N**, S. Rajanna, Dr. H.K Shivananda. Evaluation of Stress Intensity of Dual Phase Steel (DPS). **National Conference on Advances in Mechanical engineering**. Organized by Department of Mechanical Engineering Vidya Vikas Institute of Engineering And Technology, Mysore, Karnataka, India, 5th October 2009.
3. **Akashdeep B.N.** Dual Mode System To Increase Fuel Efficiency. **National Conference on Advances in Mechanical engineering**. Organized by Department of Mechanical Engineering, KSSEM, Bangalore, Karnataka, India on April 28<sup>th</sup> 2015.
4. **Akashdeep B.N.** Dual Mode System To Increase Fuel Efficiency. **National Conference on Trends and Innovations in Automation, Materials and Thermal Engineering(TIAMTE – 2015)**. Organized by Department of PG Studies Visvesvaraya Technological University, Mysuru Karnataka, India on May 21<sup>st</sup> and 22<sup>nd</sup> 2015.
5. **Akashdeep B.N.** Optimization of Reinforcement Speed For Aluminum Metal Matrix Composite For Marine Application. **National Conference on Advances in Mechanical engineering**. Organized by Department of Mechanical Engineering, KSSEM, Bangalore, Karnataka, India on April 29<sup>th</sup> 2016.
6. **Akashdeep B.N.** Automated Manual Gear Transmission In Motor Bikes. **National Conference on Advances in Mechanical engineering**. Organized by Department of Mechanical Engineering, KSSEM, Bangalore, Karnataka, India on April 29<sup>th</sup> 2016.

#### INTERNATIONAL

1. Krishnamurthy K.N, Shashishekar K.S and **Akashdeep B.N.** Performance Analysis of a Flat Plate collector and a Vacuum Tube Solar Collector for Hard Water using a Jacket Type Heat Exchanger. **International Conference on Advanced Materials, Manufacturing, Management and Thermal Sciences (AMMMT 2013)** held at Siddaganga Institute of Technology, Tumkur, Karnataka, India on May 3<sup>rd</sup> and 4<sup>th</sup> 2013.
2. Krishnamurthy K.N., Shashishekar K.S. and **Akashdeep B.N.**, Performance Analysis of Vacuum Tube Collectors for Hard Water Using Jacket Type Heat Exchanger. **International Conference on**

**Advanced Materials, Manufacturing, Management and Thermal Sciences (AMMMT 2010)** held at Siddaganga Institute of Technology, Tumkur, Karnataka, India on November 18<sup>th</sup> and 19<sup>th</sup> 2010.

## **Awards**

**KSCST 2016 PROJECT OF THE YEAR**

## **Professional Membership**

The Indian Society For Technical Education (LM 94766)

The Institution of Engineers (India) (AM 160156-6)

## **Contact Details**

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