

	<b>K. S. INSTITUTE OF TECHNOLOGY</b>	
	<b>#14, Rghuvanahalli, Kanakapura Road, Bangalore – 560109</b>	
<b>Faculty Name</b>	DR. SRINIDHI ACHARYA S R	
<b>Designation</b>	Assistant Professor	
<b>Qualification</b>	B.E., M.Tech., Ph.D	
<b>Experience in years</b>	Teaching : 11 Years	
<b>Areas of Interest</b>	Machine Design, Vibration Modal Analysis, Material Testing, Composite Materials.	
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### **EDUCATIONAL DETAILS:**

DEGREE	INSTITUTE	YEAR OF PASSING
Ph.D (Doctorate of Philosophy)	ACS College of Engineering, Bengaluru	2023
M.Tech (Machine design)	Nagarjuna College of Engineering and Technology, Bengaluru	2012
B.E (Mechanical)	City Engineering College, Bengaluru	2010

### **LIST OF PUBLICATIONS:**

1. Srinidhi Acharya S R, Suresh P M, Mruthujaya M., “Influence of Silicon Carbide Particulates on Vibrational Characteristics for Al7075 Composites” “Journal of The Institution of Engineering (India): Series D.” Volume 104, Issue 2, Pages 651-660. Springer India Publications. Published: 28 Jan 2023. DOI: <https://doi.org/10.1007/s40033-022-00446-7>
2. Srinidhi Acharya S R, Suresh P M, “Fabrication and microstructural characterization of Al7075 reinforced with various proportions of SiC” “Material Today Proceedings Journal” with Volume 49, Part 3 ,2022, Page No 638-643, Impact factor of 1.46 published by Elsevier.  
DOI: <https://doi.org/10.1016/j.matpr.2021.05.162>.
3. Srinidhi Acharya S R, Suresh P M, “Modal Analysis Al7075 reinforced with SiC” with ISBN 9781032441313 in “Taylor & Francis Group By CRC Press. “Recent Advances in Material, Manufacturing, and Machine Learning” Volume 2, by Routledge Chapter 161 Page No : 1426-1435 . [Taylor and Francis].
4. Srinidhi Acharya S R, Suresh P M, Suresh R., “Vibration Characteristics of Aluminium Reinforced with SiC - A Review” published in “International Journal of Engineering Research & Technology (IJERT)” with ISSN: 2278-0181, Volume 9, Issue 15 Page No 130-135, Impact Factor of 0.422.

## **CONFERENCE ATTENDED:**

1. **Srinidhi Acharya S R, Suresh P M, Mruthujaya M., International Conference in “Recent Advances in Materials, Manufacturing and Machine Learning - RAMMML 2022” – “Modal analysis of SiC reinforced Al 7075 Composites”** organized by “Yeshwanthrao Chavan College of Engineering, Nagpur” in association of “The Intuition of Engineers (Maharashtra State and Centre an Nagpur Local Centre)” during 26<sup>th</sup> and 27<sup>th</sup> April 2022. **“RECEIVED BEST PAPER AWARD”**
2. **Srinidhi Acharya S R, Suresh P M., “National Conference on Emerging Trends in Materials Design and Manufacturing (NCMDM – 2022)” – “Effects of Silicon Carbide Particulates with Aluminium 7075 for Various Mechanical Properties”** at “JSS Academy of Technical Education”, Bengaluru 560060 during 27<sup>th</sup> and 28<sup>th</sup> May 2022.
3. **Srinidhi Acharya S R, Suresh P M, Suresh R., “3<sup>rd</sup> National Conference on Recent Advances in Engineering and Management NCRAEM 2021” – “Vibration Characteristics of Aluminium reinforced with SiC – A Review”** at “Amrutha Institute of Engineering and Management (AieMS)” Bangalore - 562109 during 09<sup>th</sup> and 10<sup>th</sup> of July 2021. **“RECEIVED BEST PAPER AWARD”**
4. **Srinidhi Acharya S R, Suresh P M., 1<sup>st</sup> International Conference on “Accelerating Innovation in Material Science – AIMS 2020” - “Fabrication and Micro structural characterization of Al 7075 reinforced with various proportions of SiC”** organized by “BMS Institute of Technology and Management” Bangalore during 4<sup>th</sup> to 7<sup>th</sup> August 2020.
5. **Srinidhi Acharya S R, Chandrakala Tegnoor., “2<sup>nd</sup> National Conference on Recent Advances in Engineering and Management NCRAEM 2019”- “Fabrication of Bio Composite Automobile Radiator Cooling Fan”** at “Amrutha Institute of Engineering and Management (AieMS)” Bangalore – 562109 on March 29 2019.
6. **Srinidhi Acharya S R, Chandrakala Tegnoor., “National Conference on Recent Trends & Innovations in Mechanical Engineering & Technology RTIMET-2019”- “Fiber Reinforced Composite Automobile Radiator Cooling Fan”** held at “Cambridge Institute Of Technology (CiTech)”, Bangalore on 3<sup>rd</sup> of 4<sup>th</sup> of May 2019.
7. **Srinidhi Acharya S R, Suresh P M., “National Conference on Advances in Mechanical Engineering – “Static and Dynamic Analysis of Heavy Vehicle Chassis using FEM”** at “Jawaharlal Nehru National College of Engineering” Shivamogga - 577204 from 20 April To 21 April 2018.
8. **Srinidhi Acharya S R, Biradar Mallikarjuna., “National Conference on Innovation and Emerging Trends in Mechanical Engineering” – “Numerical Analysis of Stresses around oblique holes due to Tension”** at “Nagarjuna College of Engineering and Technology” , Bangalore May 11 2012.