




K. S. INSTITUTE OF TECHNOLOGY

An Autonomous Institution under VTU, Approved by AICTE Accredited by NBA(CSE & ECE),
NAAC with A+ & QSI-GAUGE(GOLD)

#14, Raghuvanahalli, Kanakapura Road, Bangalore-560109.

Faculty Name	Dr. ANILKUMARA.A	
Designation	Associate Professor & HOD	
Educational Qualification	Ph.D, (Vibrations & Acoustics), M.Tech (Machine Design) B.E, (Mechanical Engineering)	
Experience in Years	Teaching: 12 Years Industry :-	
Areas of Interest	Vibrations and Acoustics, Finite Element Method, Composite Materials	
E-mail	anilkumara@ksit.edu.in	

Educational Details

Degree	College / University	Year of Passing
Under Graduate	Bangalore Institute of Technology/ Visvesvaraya Institute of Technology	2012
Post Graduate	K. S. Institute of Technology/ Visvesvaraya Institute of Technology	2014
Doctor of Philosophy	B M S College of Engineering/ Visvesvaraya Institute of Technology	2025

Publications

Journal Publications:

1. Microstructural Mechanical and Taguchi-Based Dry Sliding wear behavior of Nickel, Journal of Materials Science & Engineering. (Q2)
2. Optimization of Vibro-acoustic characteristic of cold rolled sandwich steel cylindrical shell with internal voids using response surface methodology, Journal of Vibration Engineering & Technologies, Springer Nature, 09.09.2024, DOI: <https://doi.org/10.1007/s42417-024-01515-9> (Q2)
3. Impact of boundary conditions and radius of curvature on vibro-acoustics behavior cold rolled carbon steel structure, Springer Nature, 15.04.2024, DOI: <https://doi.org/10.1007/s42417-024-01375-3>. (Q2)
4. A Review of Experimental and Numerical Studies on Damping Behavior of Visco Elastic Material Using Acoustic Black Hole Technique, International journal of Creative research thoughts (IJCERT, Volume 13, Issue 07, July 2025), ISSN : 2320 2882.
5. Vibration damping in Advanced Fiber-Reinforced Composites: A Focused review on Carbon Fiber Systems. International journal of Creative research thoughts (IJCERT, Volume 13, Issue 07, July 2025), ISSN : 2320 2882.

6. Studies on mechanical, wear and corrosion properties of Al6061-beryl-cerium oxide hybrid metal matrix composites.
7. Mechanical Characterization of Al6061/ZrO2/Zirconium Sand Hybrid Metal Matrix Composite.
8. Experimental and Numerical Investigations on Effect of Radius of Curvature on Frequency Response of Open Cylindrical Shells Subjected to Different Boundary Conditions.

Academic Programmes Implemented

1. International Conferences

- **Coordinator and Organizing Secretary** for the *International Conference on Recent Innovations in Engineering Science & Technology (ICRIET-2025)* held on **May 9–10, 2025**.

2. Seminars

- **Convener** for the *One-Day Seminar on “Transforming Safety Culture: Effective Behavior-Based Safety Strategies”*, which witnessed participation from **over 70 professionals representing various mechanical industries**.

3. Faculty Development Programs (FDPs)

- **Coordinator** for a *Five-Day Industry-Driven Faculty Development Program (FDP) on “Best Practices in Industrial Safety”*, organized across **five leading industries** — Toyota Kirloskar Auto Parts Pvt. Ltd., Prabha Industries, Toyota Kirloskar Motor Pvt. Ltd., Sansera Engineering, and Bosch Ltd. — from **May 13–17, 2024**.
- **Coordinator** for a *Three-Day Faculty Development Program on “Design Engineering Laboratory-I”* held at **K.S. Institute of Technology (KSIT), Bengaluru**, from **October 16–18, 2014**.

Grants Received:

Sl. NO.	Funding Agency	Project Title	Funds Received
1	AICTE Training & Learning Academy (ATAL)	Application Of Artificial Intelligence & Machine Learning Techniques In 3D Printing For Next-Gen Materials & Industry 4.0/5.0	3,50,000/-

QIP, Short term courses, FDP's & other Workshops Attended

1	Workshop on solid works	VTU, Bangalore	1 Day	20-11-2014
2	FDP on Auto CAD & Autodesk	VTU, Bangalore	4 Days	26-04-2015
3	FDP on Computerized Heat & Mass Transfer Laboratory	JIT Bangalore	5 Days	14-12-2015 to 18-12-2015
4	FDP on Ansys workbench	JSS Bangalore	3 Days	28-03-2016 to 29-03-2016
5	A workshop on know your car” How to Handle when Breakdown”	SAE, Bangalore section	1 Day	11-06-2016
6	National conference on Emerging trends in Mechanical Engineering & technology	JIT Bangalore	2 Days	19-08-2016 to 20-08-2016
7	Workshop on Research Methodology & Latex	VTU & RRCE, Bangalore	3 Days	20-12-2016 to 22-12-2016
8	Two Weeks Faculty Development Programme on “Cloud Based CAD/CAM Tools for Product Design”.	MSRIT, Bangalore	2 weeks	15-12-2017 to 29-12-2017
9	Two Weeks Faculty Development Programme on “Recent Developments & Challenges in Materials & Manufacturing Process”.	BIT, Bangalore	2 weeks	01-01-2018 to 13-01-2018
10	Three Days Faculty Development Programme on Outcome Based Education-NBA”.	KSIT, Bangalore	3 Days	17-07-2019 to 19-07-2019
11	Represented KSIT and Participated in BAJA SAE INDIA 2017	SAE, INDIA	4 Days	16-02-2017 to 19-02-2017
12	Represented KSIT and Participated in BAJA SAE INDIA 2018	SAE, INDIA	4 Days	25-01-2018 to 28-01-2018
13	Five Days Training programme on “Outcome Based Education and NBA Accreditation”	RRCE, Bangalore	5 Days	20-01-2020 to 24-01-2020
14	Faculty Development Programme “Advances in Mechanical Engineering”	JIT, Bangalore	5 Days	11-07-2020 to 15-07-2020
15	One Week Faculty Development Programme on “Research Proposal Writing & opportunities in the field of science, Engineering & Management”.	BIT, Bangalore	1 week	06-07-2020 to 11-07-2020

16	Short term course on, “Enduring Trends in Hydraulic Control Systems: Past, Present & Future”.	IIT, Madras	1 week	22-03-2021 to 27-03-2021
17	One Week Faculty Development Programme on “Advances in Machining, Manufacturing & Computing Process”.	Jain University	1 week	24-05-2021 to 29-05-2021
18	One week Faculty Development Program on, “Advances in Materials & Manufacturing Technologies in Aerospace & Defense sector”	Ramaiah Institute of Technology, Bangalore	1 Week	19-09-2022 to 23-09-2022
19	Five Days Industry driven Faculty Development Program- ‘Best Practices in Industrial Safety’	KSIT, Bangalore	5 Days	13-05-2024 to 17-05-2024
20	One Day Workshop on Machine Design	Atria Institute of Technology, Bangalore	1 Day	11-02-2025

Awards & Recognitions

- CERTIFICATE OF APPRECIATION FOR 100% RESULT – 9 Times
- Guided a team of 25 students to build an all-terrain vehicle and won 1st prize at national level competition SAE BAJA in cost effective category.

Professional Membership

1. Life Member of “The Indian Society for Technical Education”.
2. Member of “Society of Automotive Engineers”.

Contact Details

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