

## CURRICULUM VITAE

**Dr.Vinayak Talugeri**

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Contact No: +91-8971119078

### **OBJECTIVE :**

Intend to build a career with leading corporate of hi-tech environment with committed and dedicated people, which will help me to explore myself fully and realize my true potential.

### **STRENGTH :**

- Worked in NBA, NAAC and IQAC as a committee member in the department.
- Strong Communication and Interpersonal skills to maintain effective work relationships with all levels of personnel.
- Hard Working, self Confidence, better time management capability, can work effectively in a group as well as an individual.

### **TECHNICAL AND COMPUTER SKILLS :**

Software Skills: ANSYS and SOLID EDGE

### **EDUCATION :**

Qualification	School/college/ Research Center	Board/ University	Year of passing	Percentage
Ph.D	M S Ramaiah Institute of Technology, Bengaluru	Vishveshvaraya Technological University, Belagavi	2025	-
M.Tech. (Thermal Power Engg.)	Bapuji Institute of Engineering & Technology, Davangere	Vishveshvaraya Technological University, Belagavi	2013	79.25%
B.E (Mechanical Engg.)	SLN College of Engg. Raichur	Vishveshvaraya Technological University, Belagavi	2011	72.72%
PUC-II	Gavisiddeshwar PU College, Koppal	P.U.E Board Bengaluru	2007	65.5%
SSLC	Sri Gavisiddheshvar high school Koppal	Karnataka Secondary Education Examination Board.	2005	81.44%

❖ I got 2<sup>nd</sup> rank in M.Tech (Thermal Power Engg.) to the Vishveshvaraya Technological University, Belgaum in the year 2013.

### ACADEMIC PROJECT:

**Ph.D Title:** "Heat transfer and friction properties in a parabolic concentrating solar collector with different nano-fluids".

**M. Tech. project Title:** "study of temperature effect of two layered peristaltic transport using herschel - bulkley fluid - a mathematical model to quantify the physiological flow parameters and flow visualization"

❖ Sponsored by Karnataka State Council for Science and Technology (KSCST)

### WORK EXPERIENCE: 10 +YEAR

Sr. No	Organization	Designation	Year
1	M S Ramaiah Institute of Technology, Bengaluru	Assistant Professor	1 <sup>st</sup> August 2015 to 9 <sup>th</sup> October 2024
2	Sri Sairam College of Engineering, Anekal, Bengaluru	Assistant Professor	21 <sup>st</sup> July 2014 to 25 <sup>th</sup> May 2015
3	Dr. G. S. Melkote Rural aided Polytechnic, Kukanoor - Koppal	Lecturer	13 <sup>th</sup> February 2014 to 31 <sup>st</sup> May 2014

**Note:** Last drawn salary 89,282 Rs per month

### SUBJECT EXPERT:

Turbo-machine, Fluid mechanics, Heat transfer, Thermodynamics, Wind Energy, Solar Energy, Renewable Energy, Elements of mechanical engineering

### PAPER PUBLICATIONS: 12

Sr. No	Title of Paper	Journal Name	Year	Quartile Index
1	Performance Evaluation of Solar Parabolic Collector Using Low Volume Fractions of Multi -Walled Carbon-nanotube in Synthetic Engine Oil (Scopus)		June 2024	Q2
2	Study on heat transfer and pressure drop characteristics for nanofluids in micro channel heat exchangers (Scopus)		October 2023	Q1
3	Experimental investigation on a solar parabolic collector using water-based multi-walled carbon nanotube with low volume concentrations (Scopus)		May 2023	Q1
4	Effect of fuel additive concentration on performance and vibration characteristics of a compression ignition engine (Scopus)		October 2022	Q3
5	A review on influence of carbon nanotube parameters in the base fluid to increase heat transfer in the solar collector (Scopus)		July 2022	Q2
6	Experimental investigation on the flexural response of epoxy composites filled with environmental pollutant crump rubber (Scopus)		March 2022	Q2

7	Tri-biological Study on The Influence of Surface Coating on Knurled Components (Scopus)		May 2021	-
8	Experimental investigation and comparison of CI engine performance with different proportions of fuel additives (Scopus)		April 2020	-
9	The enhancement of heat transfer in solar parabolic collector with different nano-fluids as working fluid -A review		July 2019	-
10	Production of bio fuel compounds from waste plastics by using catalytic paralysis process		May 2018	-
11	Investigation on conversion municipal plastic waste into liquid fuel compounds, evaluation of engine performance and emission characteristics (Scopus)		March 2018	-
12	Effect of temperature on peristaltic transport using Herschel - Bulkley fluid		Februa ry 2015	-

#### CONFERENCES: 2

Sr. No	Title of Paper	International / National	Year
1	A critical review on the effect of various parameters on stability of carbon nano-tube (CNT) based nano-fluids in solar applications	National	25th-26th March, 2021
2	A Review on enhancement of heat transfer rate in solar parabolic collector with different combination of nano-fluids	National	26th June 2019

#### REVIEWER: 2

Sr. No	Journal / conferences name	International / National	Number of paper
1	International Journal of Numerical Methods for Heat and Fluid Flow (Q1 paper).	International	01
2	GT India 2021 Conference - ASME Publication (Q2 papers)	National	02

#### CONSULTANCY WORK: 1

Sr. No	Title	Organization	Year
1	Testing Engine Performance and Vibration Characteristics by Mixing maxXX Mile ( Fuel Additive) With Diesel	UAS associates - Pioneer in bio and Organic Products	1 <sup>st</sup> Dec 2018 to 28 <sup>th</sup> Feb 2019

## WORKSHOP/FDP: 29

Sr. No	Title	Date	Venue
1	Advancements in Automobile Engineering for Sustainable Development	24 <sup>th</sup> to 28 <sup>th</sup> June 2024	Online VJET - Hyderabad
2	Experimental learning of CNC programming and simulation	26 <sup>th</sup> Feb to 1 <sup>st</sup> Mar 2024	MSRIT
3	ANSYS Academic Innovation Conference (attended)	2 <sup>nd</sup> Sep 2022	ITC Fortune Park Bangaluru
4	Advances in Materials & Manufacturing Technologies in Aerospace and Defense Sector	19 <sup>th</sup> to 23 <sup>rd</sup> Sep 2022	MSRIT
5	Recent Advances in CFD and its Applications	27 <sup>th</sup> Sep - 1 <sup>st</sup> Oct 2021	Online-BMSCE
6	Novel Applications of Waste Technology Systems for Sustainable future	2 <sup>nd</sup> - 6 <sup>th</sup> Aug 2021	Online - MSRIT
7	6th National Workshop on Research Methodology in Fluid Mechanics (NWRMFM 2021)	7 <sup>th</sup> - 11 <sup>th</sup> June 2021	Online - BITS Pilani
8	International Workshop on Research Paper and Report Writing	15 <sup>th</sup> -16 <sup>th</sup> Dec 2020	Online-VVCE, Mysuru
9	One week FDP in Engineering Analysis for Thermofluids Research Challenges using ANSYS	27 <sup>th</sup> -31 <sup>st</sup> July 2020	Online -VTU Kalaburagi
10	Vishwa Guru Bharatha-The glory of traditional Indian science & Technology	27 <sup>th</sup> -31 <sup>st</sup> July 2020	Online - MSRIT
11	Tools & Techniques for data analysis in academic research	20 <sup>th</sup> -24 <sup>th</sup> July 2020	Online - MSRIT
12	Introduction to IoT and Case Studies on Industrial Applications	4 <sup>th</sup> - 5 <sup>th</sup> June 2020	Online - BVCE, Mumbai
13	Design of experiments: An engineering prospective	22 <sup>nd</sup> -24 <sup>th</sup> April 2020	Online- JAER & Hexacube
14	Faculty development programme on LaTeX	17 <sup>th</sup> -30 <sup>th</sup> April 2020	Online - GCEM
15	Historical Philosophical And Societal Perspectives & The Evolution Of Thermodynamics In The 19th Century	24 July 2019	VTU Regional office - Bangalore
16	Renewable energy & waste management Techniques -An approach towards sustainable development	22 <sup>nd</sup> July - 3 <sup>rd</sup> Aug 2019	MSRIT Bangalore
17	Fundamentals of material science for research scholars	30 <sup>th</sup> July- 4 <sup>th</sup> Aug 2018	MSRIT Bangalore
18	Advanced materials and manufacturing technology	4 <sup>th</sup> - 6 <sup>th</sup> Dec 2017	MSRIT Bangalore

19	Advances in design of aerospace components and pressure vessels - fatigue, creep, fracture	21 <sup>st</sup> -22 <sup>nd</sup> Dec 2017	MSRIT Bangalore
20	Cloud based CAD/CAM tools for product design	15 <sup>th</sup> -29 <sup>th</sup> Dec 2017	MSRIT Bangalore
21	Challenges and opportunities in industry 4.0-manufacturing & operations in smart factories	24 <sup>th</sup> -29 <sup>th</sup> July 2017	MSRIT Bangalore
22	2nd International conference on recent advances in engineering sciences	8 <sup>th</sup> & 9 <sup>th</sup> Sep 2016	MSRIT Bangalore
23	Pedagogy	18 <sup>th</sup> -20 <sup>th</sup> July 2016	MSRIT Bangalore
24	Recent advances in renewable energy	18 <sup>th</sup> -23 <sup>rd</sup> July 2016	MSRIT Bangalore
25	Application of computational fluid dynamics in chemical & mechanical engineering	27 <sup>th</sup> June - 2 <sup>nd</sup> July 2016	MSRIT Bangalore
26	Nonmaterial's & Nano-composites	20 <sup>th</sup> -25 <sup>th</sup> June 2016	MSRIT Bangalore
27	Energy environment & sustainable growth	4 <sup>th</sup> Feb 2016	MSRIT Bangalore
28	World class manufacturing practices	11 <sup>th</sup> - 13 <sup>th</sup> Jan 2016	MSRIT Bangalore
29	Smart materials & its application	21st -22nd Dec 2015	MSRIT Bangalore

#### **PERSONAL INFORMATION:**

**Name:** Vinayak Talugeri  
**Date of Birth:** 26 august 1989  
**Father's name:** Veeranna Talugeri  
**PAN Number:** ATYPT1225B  
**Adhar Number:** 834482707795  
**Marital Status:** Married  
**Nationality:** Indian  
**Languages Spoken:** English, Kannada, Hind  
**Address:**  
Permanent Address  
S/O Veeranna Talugeri, 7-1-21-14,  
Gavishree Nagar, Koppal  
Koppal - 583231  
State - Karnataka

#### **DECLARATION:**

I hereby declare that the information furnished above is true to the best of my knowledge.

Place : Koppal

Date : 20/01/2025

**VINAYAK TALUGERI**