Dr. Vineeth Kumar T. V.

Assistant Professor, Dept. of Mechanical Engineering, SIT, Tumakuru
Contact: 9738213995
Email: vineethkumartv@sit.ac.in
Vidwan ID:
Scopus ID: 57221517780
https://www.scopus.com/authid/detail.uri?authorId=57221517780
OrcID: https://orcid.org/0000-0002-4028-3813
Faculty ID: SIT0706

Education

S/N	Degree	Year	Institute	Specialization
1	Doctor of Philosophy	2024	Visvesvaraya Technological University, Belagavi, Karnataka	Mechanical Engineering
2	Master of Technology	2014	U B D T C E, Davanagere, Karnataka	Machine Design
3	Bachelor of Engineering	2012	Siddaganga Institute of Technology, Tumakuru, Karnataka.	Mechanical Engineering

Professional Experience

S/N	Date (from-to)	Designation	Organization
1	July 2015 - present	Assistant Professor	Siddaganga Institute of Technology, Tumakuru
2	June 2014 – July 2015	Assistant Professor	SJB Institute of Technology, Bengaluru

Positions held

(Please give details of any administrative posts, co Ordinator roles/ responsibilities held)

- Treasurer – SIT Consumers Co Operative Society Ltd, SIT Campus
- Unnat Bharath Abhiyan – Institute coordinator
- Department Test Co-ordinator
- Faculty Co-ordinator – Siddaganga Competitive Exams Study Centre, MED, SIT

Affiliations of Professional organizations

- Life Member (149947) - **International Association of Engineers (IAENG)**

- Associate Member (AM1631961) **- The Institution of Engineers (India)**

Courses Taught

Undergraduate Courses

- Mechanics of Materials
- Design of Machine Elements
- Mechanical Vibrations
- Finite Element Methods
- Operations Research
- Automobile Engineering
- Research Methodology and IPR
- Computer Aided Design and Analysis
- Computer Aided Machine Drawing
- Foundations of Mechanical Engineering Science
- Computer Aided Engineering Drawing
- Artificial Intelligence and Machine Learning

Research Areas

- Polymer composites, Bio-Materials, Solid Mechanics.

Publications

Journals

1. T. V. Vineeth Kumar, N. Shanmugapriya, S. Arun, and G. Ramasubramanian, "Analysis of the Multiwalled Carbon Nanotubes Reinforced Polymethyl Methacrylate Bone Cement's Characteristics and in Vitro Bioactivity to Prolong Its Functionality in Orthopedic Application," *Advances in Polymer Technology*, vol. 2023, Art. no. 8832582, 2023, doi: 10.1155/2023/8832582.
2. R. Chetana and T. V. Vineeth Kumar, "Analysis of Position Error in Offset Slider Crank Mechanism," *Journal of Mines, Metals and Fuels*, vol. 71, no. 7, pp. 912–916, 2023, doi: 10.18311/jmmf/2023/34733.
3. T. V. Vineeth Kumar, N. Shanmugapriya, S. Arun, and M. Nagaral, "Influence of MWCNTS on mechanical and in vitro biocompatibility properties of PMMA bone cement for orthopedic application," *Research on Engineering Structures and Materials*, vol. 9, no. 3, pp. 827–842, 2023, doi: 10.17515/resm2023.639me0114.
4. J. Ekanthappa, T. V. Vineeth Kumar, B. Sunil, and K. T. Kashyap, "Investigation of precipitation during recrystallisation in two phase Cu-Cr

alloy," *AIP Conference Proceedings*, vol. 2274, 2020, Art. no. 30043, doi: 10.1063/5.0025037.
5. T. V. Vineeth Kumar, J. Ekanthappa, K. T. Kashyap, and A. M. Naik, "Studies on precipitation hardening in copper chromium alloy with 1 wt% chromium," *AIP Conference Proceedings*, vol. 2274, 2020, Art. no. 30039, doi: 10.1063/5.0026200.
6. T. V. Vineeth Kumar, G. S. Shiva Shankar, and B. Latha Shankar, "Experimental Study on Effect of Stacking Sequence, Clearance and Clamping Torque on Strength of FRP Composite Bolted Joints," *Materials Today: Proceedings*, vol. 4, no. 10, pp. 10746–10750, 2017, doi: 10.1016/j.matpr.2017.08.022.
7. T. V. Vineeth Kumar and M. D. Prashanth, "Evaluation of the strength of Cast Iron using Diametral Compression Test," *Materials Today: Proceedings*, vol. 4, no. 9, pp. 9956–9960, 2017, doi: 10.1016/j.matpr.2017.06.301.
8. K. V. S. Rao, G. S. Shivashankar, S. Sanman, and T. V. Vineeth Kumar, "Effect of Standoff Distance on Solid Particle Erosion Wear Behavior of Chill Cast Aluminum - Boron Carbide Composites," *Materials Today: Proceedings*, vol. 4, no. 9, pp. 10015–10019, 2017, doi: 10.1016/j.matpr.2017.06.312.

Book Chapters

1. T. V. Vineeth Kumar, N. Shanmugapriya, and S. Arun, "Damage of polymer matrix in transport application," in *Failure of Fibre-Reinforced Polymer Composites*, 1st ed., N. Shanmugapriya and S. Arun, Eds. Boca Raton, FL: CRC Press, Dec. 16, 2021.