

PROFILE

Name	Harish. S
Position & Affiliation	Assistant Professor, Department of MED
Areas of Interest	Manufacturing Science, Product Design and Metal Matrix Composites
Email	Harishs.mech@cambridge.edu.in
LinkedIn ID	
Google Scholar ID	https://scholar.google.com/citations?view_op=new_profile&hl=id
Orchid ID	
Vidwan ID	
Scopus ID	
Professional Webpage (if any)	

Educational Qualifications:

Ph.D	Visvesvaraya Institute of Technology, Belagavi	India	Pursuing
MTech	MS Ramaiah Institute of Technology, Bengaluru	India	2011
BE	SJC Institute of Technology, Chikkaballapur	India	2009

Areas of Research:

Metal Matrix Composites

Brief Profile: (write about yourself)

Completed MTech and Pursuing PhD in Materials Applications. Has over thirteen years of Academic Teaching Experience. The areas of interest are Product Design and Manufacturing, Manufacturing Science and Engineering, Computer Integrated Manufacturing, Robotics, Rapid Prototyping, Material Science and engineering. Worked as a Assistant Professor at SJC Institute of Technology, Chikkaballapur. Associated with CiTech from March 2023 onwards.

Planned and setup a 3d Printing and prototyping lab under MSME TBI Aspire at SJC Institute of Technology, in 2020 and conducted various workshops and seminar towards educating students and professional in the field of 3d printing, laser cutting, engraving, cnc routing, T shirt printing and eco friendly packaging.

Have guided 50 batches of B Tech students 4 Mtech students towards their academic projects

Awards/Achievements/Others:

Participation in National Level Events

1.	Completed online training on 3D Printing (Business Opportunities by MSME – Technology Development Centre (PPDC) Foundry Nagar, Agra
2.	Participated in Webinar on “Computer vision, AI, ML and Deep Neural Network for Robotics Application” by ECE Department SJCIT in Association with IEEE on 23 rd May 2020 b
3.	Participated in the two – day All India Seminar on “MATLAB for Mechanical Engineers” by The Institution of Engineers (India), Karnataka State Centre in association with Department of Mechanical Engineering, Dayanada Sagar College of Engineering, Bengaluru on FEB 2020
4.	Participated in 22 nd ISTE State Level Faculty Convention by SJCIT, FEB 2020
5.	Participated in One Day National Seminar on “ AICTE Quality Initiatives and Sensitization of Technical Teacher Training”, by Cambridge Institute of Technology held on DEC 2019
6.	Participated in “All India Seminar on Pneumatic Drives and their applications”, by MED SJCIT in Association with Institution of Engineers (India) Dec 2019
7.	Participated in Jnana – Vijnana – Tantrajana Mela 2017, held at Sri Kshetra Adichunchanagiri.
8.	Participated and successfully completed four days VTU – VGST Faculty development program on Materials Processing and Characterization techniques, by MED SJCIT, June 2015
9.	Attended one day workshop on “Principles of Pedagogy for Effective instructions dissemination” organized by MED SJCIT, July 2014
10.	Participated in 2 days Workshop Conducted under TEQIP – II on “Entrepreneurship and IPR”, by NITTE Meenakshi Institute of Technology, Bengaluru, July 2013
11.	Participated in the Pre Conference workshop on Nano Metrology held at Central Manufacturing Technology Institute, Bengaluru, January 2013
12.	Participated in the Inter Collegiate Climate Change Quiz 2013, at IISc Bengaluru
13.	Achuth, Atul Nandan & Prof. S Harish, “Design and Fabrication of Raben K4 Floating turbine power station”, Two Day Competition for BE Students, Nettur Technical Training Foundation, Bengaluru, 2013

Sl. No	Project Title	Role	Funding Agency
1	Design, Development and Fabrication of a manually operated dewatering boat for a medium sized lake	Project Supervisor	Karnataka State Council for Science and Technology, Indian Institute of Science, Bengaluru
2	Design, Development and Fabrication of a Double Powered Combined Open Hydro Turbine and Wind Power	Project Supervisor	Nettur Technical Training Foundation, Bengaluru
3	Design, Development and Commercialization of a low cost exoskeleton for people suffering from Knee Osteoarthritis. Funding amount of 15Lakhs with 1.5 crore matching grant.	Incubatee	Approved during 4th PMAC Meeting of MSME Innovative Scheme held on 26.06.2023 & Announced by Hon'ble Minister of MSME on the occasion of International MSME Day at Vigyan Bhawan, New Delhi on 27.06.2023

Courses Taught:

Elements of Mechanical Engineering, Computer Aided Engineering Drawing, Manufacturing Process 1 2 3, Hydraulics and Pneumatics, Metrology and Measurements, Computer Aided Machine Drawing, Computer Integrated Manufacturing, Rapid Prototyping, Additive manufacturing

Publications/Patents:

Publications	<ol style="list-style-type: none"> 1. S. Harish, Jaya christyian, “Characterization of Boundry Lubricants for automobile”, National Conference on Emerging Trends in Mechanical Engineering, MSRIT 2011 2. S.Harish, R.Keshavamurthy, “Mechanical Properties of Copper-TiC In-situ composite” Journal of Applied Mechanics and Materials, Vol. 787, pp. 593-597, 2015. (TransTech Publications) 3. S. Harish, R. Keshavamurthy, "Effect of Hot Rolling on Friction and Wear Characteristics of TiCreinforced Copper Based Metal Matrix Composites", accepted by Advances in Materials Scienceand Engineering, Awaiting publication.
Patents	
Book/Book Chapters	

Research and Consultancy:

Research

Pursuing partime PhD in VTU Belagavi, Under the guidance of Dr. R. Keshavamurthy HOD MED Dayanand Sagar College of Engineering, Kumaraswamy Layout, Bengaluru.

Consultancy

- Active learning interest in Additive manufacturing techniques especially in FDM (3D Printing), good knowledge in working with Ultimaker 2+, Ultimaker S5, Creality Ender 3 and Hycube Alphi 3+ for creating prototypes of various designs. Fabricated numerous prototypes for Aeronautical, Aerospace, Mechanical, Civil and Electronics students like instrument panels, wind tunnel experiment prototypes, drone blades, exoskeleton structures, robot parts and many more.
- Sound knowledge in CNC Routing (using Roland SRM 20), Laser Engraving (using EpilogZing Laser 40W) and 3D Scanning using Scanner from 3D sense USA.
- Good working experience in Solid Edge V19, Autodesk Fusion 360, Solid Works, CURA, SRP player and Meshmixer.
- Well versed in knowledge or product development and commercialization with experience of developing table top accessories like phone stands, penstands, momentos and soveniors for events using 3D printing and Laser Engraving with PLA and Acrylic sheets accordingly.