Dr. C SHASHISHEKAR

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Education

	Degree	Year	Institute	Specialization
1	B.E.	1990	SIT, Tumakuru	Mechanical
2	M.Tech.	1993	UBDTCE, Davanagere	Production Engg. and Systems Technology
3	Ph.D.	2014	Dr. M.G.R. Education & Research Institute , University, Chennai	Bio-Mechanical

Professional Experience

	Date (from-to)	Designation	Organization
1	2011-till date	Associate Lecturer	SIT, Tumakuru.
2	2008-2011	Assistant Lecturer	
3	2005-2008	Selection Grade Lecturer	
4	2000-2005	Senior Lecturer	
5	1994-2000	Lecturer	

Positions held

- Academic Council Member, SIT, 2024-2027
- Industrial Internship Coordinator
- KSCST, SPP Coordinator
- IDEA Lab (tech guru)
- Agricultural and Industrial Exhibition Coordinator
- NBA Coordinator,
- Sub-Committee member of ‘Alumni data Management” of SITAA
- Internal ISO Auditor

- Faculty in charge for skill development
- Coordinator-Centre for Rural Development (CRD)
- Department sports coordinator
- BoS Member
- BoE Member
- DAAC Member
- Department Alumni coordinator
- Department Research Committee Member

Affiliations of Professional organizations

- Life member of IIM.
- Life member of ISTE.

Awards and Honors

- 1st Rank and Gold Medalist in M.Tech.

Courses Taught

Undergraduate Courses

- Foundations of Mechanical Engineering
- Computer Integrated Manufacturing
- Rapid prototyping and MEMS
- Metrology and Measurements
- CAD/CAM & Automation
- Rapid prototyping
- Computer Aided Engineering Drawing
- MEMs & NEMs
- Digital Manufacturing
- RM & IPR
- CAD/CAM & CIM

Research Guidance

Sl. no	Name of the Scholar	Title	Year of completion
1	Srinivas P	Computerized Tooth Profile Generation, Experimental and Finite Element Analysis of Non Standard Gears	pursuing
2	Sanjay S J	Fabrication and Analysis of Prosthetic Knee joint using Experimental and Finite Element Technique	pursuing

Research Areas

- Additive manufacturing (3D printing)
- Bio materials
- Analysis of Prosthetic joints
- Computer Aided Design

Publications

1. Wear behaviour of the Ni-Cu alloy hybrid composites processed by sand mould casting, Kumaraswamy J.; Anil K.C.; Shetty V.; Shashishekar C., Advances in Materials and Processing Technologies, Volume 9, Year 2023, Pages 351-367.

2. Application and Challenges of Machine Learning Techniques in Mining Engineering and Material Science, Shetty V.; Shedthi B.S.; Shashishekar C., Journal of Mines, Metals and Fuels, Volume 71, Year 2023, Pages 1989-2000.

3. Finite Element Analyses of Non-Standard Spur Gears, Srinivasa P.; Shashishekar C.; Mallesh G., Journal of Mines, Metals and Fuels, Volume 71, Year 2023, Pages 348-354.

4. FEA and Experimental Investigation of Prosthetic Knee Joint, Shashishekar C.;Sanjay S.J.;Shreekant M.T., Journal of Mines, Metals and Fuels, Volume 70, Year 2022, Pages 332-338.

5. Evaluation of biocompatibility of Cu-Al-Be-Mn quaternary shape memory alloys using antibacterial test by agarwell diffusion method, Shivasiddaramaiah A.G.; Mallik U.S.; Mahato R.;Shashishekar C.;Shivaramu L.;Prashantha S. Materials Today: Proceedings, Volume 17, Year 2019, Pages 61-69.

6. Synthesis and evaluation of biocompatibility of cu-al-mn shape memory alloy, Majumder A.;Shivakumar V.;Shivasiddaramaiah A.G.;Shashishekar C.;Mallikarjuna U.S.;Roopa K.B. Materials Science Forum, Volume 969 MSF, Year 2019, Pages 380-385.

7. Preparation and evaluation of ageing effect of Cu-Al-Be-Mn shape memory alloys, Shivasiddaramaiah A.G.;Mallik U.S.;Mahato R.;Shashishekar C., AIP Conference Proceedings, Volume 1943, Year 2018.

8. Evaluation of corrosion behaviour of Cu-Al-Be-Mn Quaternary shape memory alloys, Shivasiddaramiah A.G.;Mallik U.S.;Mahato R.;Shashishekar C. Materials Today: Proceedings, Volume 4, Year 2017, Pages 10971-10977.

9. Effect of Artificial Ageing on Wear Behaviour of Al7010/B4C Composite, Sanjay, S. J.;Naik, Shashidar K.;Shashishekar, C. Materials Today: Proceedings, Volume 4, Year 2017, Pages 11194-11200.

10. Contact analysis of prosthetic knee joint using ANSYS, Ramesh, C.;Shashishekar, C. Advanced Materials Research, Volume 415-417, Year 2012, Pages 1235-1238.

11. The effect of flexion angle and sagittal radius on femorotibial contact stresses, Ramesh, C. S; Shashishekar, C. Advanced Materials Research, Volume 421, Year 2012, Pages 388-391.

12. Contact analysis of prosthetic knee joint using ANSYS, Ramesh, C.S; Shashishekar, C. Advanced Materials Research, Volume 415-417, Year 2012, Pages 1235-1238.