

BIO - DATA

Mr. SHIVA KUMAR.K

Assistant Professor (Contract),

JNTUH University College of Engineering, Science and Technology
Hyderabad.

Email ID: - kskumar3456@gmail.com

Mobile No: 9666619366

Career Summary

A passionate teacher with over 14 years of teaching and research experience. Hands-on experience in mechanical and production engineering; rich experience in administration, community service, corporate activities, and decision-making skills, good team player with an eye for detail and interpersonal skills.

Career Objective

To appear as an attention leader in academics, research, and training and lead the organization with a dedication to innovation and share my experiences to provide the best development plans for the organization's overall development. I am looking for motivated and dedicated B.Tech/M.Tech./Ph.D. students.

Awards:

1. World Championship-2019 in Mechanical Engineering (Polymer Characterization). IASR recognizes.
2. Best research award 2018 for Mechanical and Wear Behavior of ABS/BN Polymer Composites by International Journal for Research Under Literal Access.

Employment Record

Organization	Designation	Period		
		From	To	Years
JNTU HYDERABAD	Assistant professor (c)	2011	Till date	12+
JNTU JAGTIAL	Assistant professor (adhoc)	2009	2011	2

Academic Record

Degree	Institute/University	Specialization	Year of Pass
Ph.D	JNT University, Hyderabad.	Mechanical Engineering	Thesis Submitted
M.Tech	JNT University, Kakinada.	CAD/CAM	2009
B.Tech	JNT University, Hyderabad.	Mechanical Engineering	2005
Intermediate	Vidya bharathi co.opp junior ,college Nagarjuna sagar(v) Nalgonda (Dist)	Mathematics Physics Chemistry	2000
High School	Govt.Model high school Nagarjuna sagar(v) Nalgonda (Dist)	Composite Mathematics 6 th to X th class (All Subjects)	1997
Primary School	Govt. primary school Nagarjuna sagar(v) Nalgonda (Dist)	1 st to 5 th class	1992

Courses Taught

<u>Courses</u>	<u>Level</u>
Advanced CAM	PG
Advanced CNC	PG
Intelligent manufacturing system	PG

Advanced metal forming	PG
CAD/CAM	UG
Metrology and Machine Tools	UG
Kinematics of machinery	UG
Dynamics of Machinery	UG
DMM-I	UG
Operation Research	UG
Engineering Graphics	UG

Refresher Courses, FDP / Training Programmes Attended/NPTEL

S.No	Course Name	Duration	Year	Organizer/s
1	Computer Integrated Manufacturing	12 weeks	2022	IIT Kanpur
2	Processing of polymers and polymer composites	8 weeks (FDP)	2021	IIT Roorkee
3	Engineering Drawing and Computer Graphics	12 weeks	2020	IIT Kharagpur
4	MATLAB Application in mechanical Engineering	3-days workshop	2019	JNTUHUCEH
5	Symposium on Emerging Technologies: curriculum, industry, and policy	One day	2019	Awareness in Action
6	Computational Fluid Dynamics & its Applications in Mechanical Engineering	5-days workshop	2018	JNTUHUCEH Under TEQIP-III
7	Workshop on NBA Accreditation	3-days workshop	2017	ESCI
8	Thermal aspects in manufacturing processes	One week	2014	JNTUHUCEH SAP-UGC project
9	Recent trends in manufacturing	2 days	2013	CBIT Under TEQIP-II
10	Design of Experiments, Taguchi Optimization & Response surface methodology	2 days	2013	JNTUHUCEH Department of Mech. Engg
11	Powder metallurgy short course	4 days	2012	MGIT & PMAI

Journal Publications: 09

1. **K. Shiva Kumar**, A. Chennakesava Reddy: "Mechanical and Wear Behavior of ABS/BN Polymer Composites," 2018, Vol. 10 No.05, p.172-180.
2. **K. Shiva Kumar**, A. Chennakesava Reddy," An investigation of mechanical and sliding wear behavior of ABS/Si₃N₄ nanoparticles fabricated by an injection molding", Manufacturing Technology Today,2019, Vol. 18, No. 12,p.18-24.
3. **K. Shiva Kumar**, A. ChennakesavaReddy: Mechanical and TribologicalBehavior of Particulate Filled Silicon Nitride Reinforced Nylon-6 Polymer Composites, International Journal of Engineering and Advanced Technology, 2019, 8(6), p.3951-3955.
4. B. Shankar Goud, **K. Shivakumar**," global journal of engineering science and researches a power-law velocity application on hydromagnetic flow over a stretching surface," Global Journal of Engineering Science and Researches, 6(5): 2019, p.472-476, DOI- 10.5281/zenodo.3236892.
5. **K. Shiva Kumar**, A. Chennakesava Reddy," Investigation on mechanical properties and wear performance of Nylon-6/Boron Nitride polymer composites by using Taguchi Technique", Results in Materials 5 (2020) 100070.
6. **K. Shiva Kumar**, A. Chennakesava Reddy," Experimental Investigation on mechanical and tribological properties of MgO/ABS polymer composites" International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (P): 2249-6890; ISSN (E): 2249-8001, 2020, Vol. 10, Issue 1, p. 449-458.
7. **Shiva Kumar K**, Chennakesava Reddy A Characterization of mechanical and wear properties of ABS/SiO₂ nanoparticles", Indian Journal of Science and Technology," (2020) 13(37): 3884-3892. <https://doi.org/10.17485/IJST/v13i37.1155>.

8. **Kala, S. K.** ., & Alavala, C. R. Enhancement of Mechanical and Wear Behavior of ABS/Teflon Composites. Trends in Sciences, (2022), 19(9), 3670. <https://doi.org/10.48048/tis.2022.3670>.
9. **Shiva Kumar K**, Chennakesava Reddy A, “Enhanced Mechanical and Morphological Properties of Nylon 6/SiO₂ Nanocomposites” London Journals Press, 2020, Vol. 20, Issue 2, p.71-7

Conference Papers Published

International: 02

1. G. Devendar, **K. Shiva Kumar**, and A. Chennakesava Reddy,” Modification of Gating System for Proper Mould Filling of Bracket Casting Using Procast,” International Conference on Advanced Materials and Manufacturing Technologies (AMMT) December 18-20, 2014, JNTUH College of Engineering Hyderabad.
2. N.Sai Srinivas, Ch. Naveen Reddy, **K.Shiva Kumar**,” Camouflaged Miniature Air Vehicle,” International Conference on Advances in Design, Development, and operation of Micro Air Vehicles(ICRAMAV-2013), November 21-23, JNTU Hyderabad.

National: 01

1. **K. Shiva Kumar**, A. Chennakesava Reddy: “Study on Reinforcement Materials for Nylon Matrix Composites - A Review,” International Journal of Scientific & Engineering Research, NCRTME-2016, 7(6), p.156-160.

Personal Details:

Date of Birth : 02-02-1981
Sex : Male
Nationality : Indian
Place of Birth : (**Village**): Nagarjuna Sagar, (**Mandal**):Peddavoor,
(**Dist**): Nalgonda - 508203, Telangana State, India.

Address:

Office: Assistant Professor (c)
Dept. of Mechanical Engineering,
JNTUH University College of Engineering, Science and
Technology,
Hyderabad - 500 0085, Telangana, India.

(SHIVA KUMAR KALA)