

BIO-DATA



1. Name : Dr. ARKANTI KRISHNAIAH
2. Designation : **Senior Professor**
3. Date of Birth/Age : 07-09-1970 (55 Yrs)
4. Native / District : Ranga Reddy (Dist.)
5. Residence Address : 2nd Floor, Tranquil Nest, Road No. 4
Sagar Hills, Haripuri Colony,
Hyderabad-500035, Telangana
6. Office Address : Department of Mechanical Engineering
University College of Engineering (A)
Osmania University, Hyderabad.
E-mail: arakanti@gmail.com,
krishnaiah.a@uceou.edu
Ph: 9440834065 (M), 7286034065 (AM)

7. **Academic Qualifications:**

Sl. No	Degree	Institute/University	Specialization	Year of Pass	Division
1	B.E	University College of Engineering, Osmania University	Mechanical Engineering	1994	FIRST
2	M.E	UCE, OU	Production Engineering	1998	FIRST
3	Ph.D	I.I.T. Madras	Materials Forming	2006	FIRST
4	Post Doctoral Fellow	Chungnam National University, Daejeon, South Korea	Processing of bulk Nanomaterials	2007-2008	--

8. **Teaching Experience: 28 Years**

Sl. No	Organization	Designation	Period	
			From	To
1	University College of Engineering (A), OU	Senior Professor (HAG)	12-01-2022	Till date
2	UCE, OU	Professor	12-01-2012	11-01-2022
3	UCE, OU	Associate Professor	12-01-2006	11-01-2012
4	UCE, OU	Assistant Professor	29-07-1997	11-01-2006

9. Number of Publications : **120**
10. Number of Ph.Ds Guided : **25-Awarded, (2-Ongoing)**
11. Number of M.E. Projects Guided : **125 Completed (4 Ongoing)**

12. **Academic Identity:**

Sl. No	Type of IDs	ID Number/ID Links
1	SCOPUS	9840592600 https://www.scopus.com/authid/detail.uri?authorId=9840592600
2	VIDWAN	330569 https://vidwan.inflibnet.ac.in/profile/330569
3	ORCID	0000-0002-1786-3350
4	RESEARCHER	LXA-5074-2024
5	GOOGLE SCHOLAR	lm8h70QAAAAJ [Total Citations: 1156, h-index: 16, i10-index: 27] https://scholar.google.com/citations?user=lm8h70QAAAAJ&hl=en

13. **Research Projects:**

Year of Funding	Sponsoring Organization	Title of Project	Amount (Lakh)	Co-Investigators (if any)	Duration of Project
2009	AICTE	Development of ultrafine grained high strength materials by severe plastic deformation processes	16	Dr. P. Ramesh Babu	3 Years Completed
2011	OU-DST	Investigation on Natural Circulation Loop with Compact Heat Exchanger and using Nanofluid as loop fluid.	5	Dr. G. Narendar (PI)	3 Years Completed
2013	UGC	Production of Ultra-fine grained Copper Tools by Equal Channel Angular Extrusion for micro-Machining	8.10	--	3 Years Completed
2010-2018	DST-NSTEDB	Entrepreneurship Programms	40.00	--	Completed

14. **Awards/Prizes/Fellowship/Patents:**

- State Awards to Meritorious Teachers-2020 (Best Teacher Award-2020)** on the occasion of Teachers' day on 5th September, 2020 by **Govt. of Telangana State**.
- Sudharshan Bhat Memorial Prize** for the best **Ph.D Thesis** in Metallurgical & Materials Engineering for the year 2006 from **I.I.T Madras, Chennai**.
- Post-doctoral fellowship** from BK21 Education Center for Advanced Intelligent Components and Materials, Chungnam National University, **South Korea** (2007-08).

15. **Countries Visited:**

USA (2005), **Canada** (2006), **South Korea** (2007-08 for PDF), **Australia** (2010), **Thailand** (2014), **China** (2014), **France** (2014), **Switzerland** (2014) and **Indonesia** (2024)

16. *Courses taught at PG and UG* :

Sl. No	PG Courses	UG Courses
1	Theory of Metal Forming	Manufacturing Processes
2	Metal Cutting & Forming	Powder Metallurgy
3	Metal Processing Science	Metal Cutting and Machine Tools
4	Materials Science & Technology	Machine Drawing
5	Metal Cutting and Machine Tool Design	Nanomaterials & Technology
6	Computer Integrated Manufacturing	Mechanical Technology (Civil Engg)
7	Advanced Manufacturing Techniques	Nanotechnology (Open Elective)
8	Material Handling (M.E-Mining Engg)	
9	Micro and Nano Manufacturing	
10	Non-Destructive Evaluation Techniques	

17. *Ph.D Theses Supervised (Awarded:20, Submitted:05)*

1. **Dr. Mohd. Viqar Mohiuddin (2016), Title:** Experimental Investigation of Product Quality of Al-Si Alloy Castings Produced by Different Sand Moulding Procedures. **Osmania University**, Hyderabad, Telangana.
2. **Dr. G. Narender (2017), Title:** Experimental Investigation on the Performance of Natural Circulation Loop with Different Nanofluids. **Osmania University**, Hyderabad, Telangana.
3. **Dr. P. S. Ravi (2017), Title:** Roll Bond Evaporator for Room Air Conditioner-Design and Evaluation for Different Refrigerants. **Osmania University**, Hyderabad, Telangana.
4. **Dr. A. Siva Prasad (2017), Title:** Investigations on Electrical Discharge Machining, Wire Electrical Discharge Machining and Micro Electrical Discharge Machining. **IGNOU**, New Delhi.
5. **Dr. D. Srinivas Rao (2019), Title:** Optimization and Mathematical Modeling of Cutting Parameters & Tool Geometry for Machining Aluminized-Steel Work Material, **Osmania University**, Hyderabad, Telangana.
6. **Dr. Malothu Ramulu (2019), Title:** Investigations on the Development of High Strength and High Ductility Bulk Nanomaterials by Severe Plastic Deformation Process, **Osmania University**, Hyderabad, Telangana.
7. **Dr. Meesala Nagarjuna (2022), Title:** Experimental Investigations and Analysis on Hot Rolling of Die-Cast Al 7178 Alloy, **Osmania University**, Hyderabad, Telangana.
8. **Dr. Zeradam Yesiwas (2022), Title:** Numerical Simulation And Experimental Investigation Of Single Point Incremental Forming For Drawing Quality Steel.
9. **Dr. B. Suresh Kumar Reddy (2022), Title:** Machinability Studies on Aluminum 6061 Metal Matrix Alloys, **Osmania University**, Hyderabad, Telangana.
10. **Dr. Dasari Govardhan (2022), Title:** Computational Fluid Dynamics Analysis Of Thermoelectric Cooling Systems Of Electronics Packaging Of High Performance Systems, **Osmania University**, Hyderabad, Telangana.
11. **Dr. Pavan Kumar Thimmaraju (2023), Title:** Influence of Tool Geometry in Friction Stir Welding on Material Flow Pattern, **Osmania University**, Hyderabad, Telangana.
12. **Dr. Mrudula (2023), Title:** Experimental Study and Optimization of Process Parameters on Mechanical Properties of Al 7075 Alloy using Friction Stir Welding, **Osmania University**, Hyderabad, Telangana.
13. **Dr. K. Chiranjeevi Sabitha (2023),** Evaluation of Mechanical Properties and Forming Characteristics of Tailor Welded Blanks, **Osmania University**, Hyderabad, Telangana.

14. **Dr. Gajalappa (2023)**, Thermomechanical Processing and Characterization of Inconel 600 Superalloy, **Osmania University**, Hyderabad, Telangana.
15. **Dr. Padavala Anand (September, 2024)**, Investigation of Mechanical and Tribological Properties of Commercially Pure Aluminium and Copper Processed by Equal Channel Angular Pressing, **Osmania University**, Hyderabad, Telangana.
16. **Dr. A. Chandrakanth (November, 2024)** Experimental Investigations and Optimization of Process Parameters for Single Point Incremental Forming on Al 1060, **Osmania University**, Hyderabad, Telangana.
17. **D. Bheema Naik (December, 2024)**, Mechanical and Tribological Investigations of Hybrid Microalumina and Nanographene based Glass Fiber Epoxy Composites, **Osmania University**, Hyderabad, Telangana.
18. **M. Venkat Reddy (2024)**, Densification, Microstructure and Mechanical Properties of Chemically Synthesized Mo-Cu and W-Ag Nanocomposites, **Osmania University**, Hyderabad, Telangana.
19. **E. Sadanadam (2025)**, Tribological And Mechanical Properties Of 6061-T6 Al Alloy Based Surface Composites By Friction Stir Processing, **Osmania University**, Hyderabad, Telangana.
20. **C. Sravanthi (Jun. 2025)**, Investigation On Aluminium 7075 Metal Matrix Composites Using Abrasive Water Jet Machining, **Osmania University**, Hyderabad, Telangana.
21. **Syed Adil (Sept. 2025)**. Mathematical Modeling And Optimization Of Cutting Conditions For Machining Of Mdn 350 Steel, **Osmania University**, Hyderabad, Telangana.
22. **Orugonda Ravali (Sept. 2005)**, Investigation And Optimization Of Process Parameters For Binder Jetting Additive Manufacturing Of 17-4 Ph Stainless Steel, **Osmania University**, Hyderabad, Telangana.
23. **V. Raghavender (Sept. 2005)**, Experimental and Computational Aerodynamic Analysis of Delta Wing with Separated and Non Separated Missiles, **Osmania University**, Hyderabad, Telangana.
24. **V. Jaipal Reddy (Sept. 2025)**, Experimental Investigation and Optimization of Process Parameters on Friction Stir Welded Polypropylene Joints, **Osmania University**, Hyderabad, Telangana.
25. **T.Vijay Kumar (Oct. 2025)**, Experimental Investigation and Optimization of Process Parameters in Friction Stir Welding of AgNO₃ Nano Coating of AA6351, **Osmania University**, Hyderabad, Telangana.

18. (a) ***Contributions to Curriculum Development at National Level:***

- (a) **NAAC Assessor**, Appointed by National Assessment and Accreditation Council, Bangalore in the year 2024.
- (b) **Member**, AICTE SC/EVC for grant of Permission of Engg. Colleges (2024-till date).
- (c) **Chancellor's Nominee** on the **Executive Council** of Shri Krishna AYUSH University, Kurukshetra, Haryana for a period of two years (2022-2024 & 2024-2026).
- (d) **Member, Finance Committee**, Central University of Karnataka, Kalaburagi, Karnataka for a period of three years (2022-2025)

- (e) **Member**, Subject Expert for the Preparation of "Comprehensive Glossary of Engineering (English-Hindi-Telugu)" Dept. of Higher Education, Govt. of India.
- (f) **Member**, AICTE, RPS-NER & NDF Projects Evaluation Committee-2019.
- (g) **Member**, National Monitoring Committee for Education of SCs, STs and Persons with Disabilities, MHRD, New Delhi (2018-2021)
- (h) **Visitor's Nominee**, Pondicherry University, Puducherry (2015-2018)

(b) Contributions to Curriculum Development at State Level:

- (a) **Member**, Committee of Officers to Suggest Revised Parameters for Fee Fixation in Respect of Private Unaided Professional Institutional-Constituted by Govt. of Telangana.
- (b) **Member**, Committee Constituted by Telangana State Council of Higher Education (TSCHE) to establishing of JNTU College of Engg., at Khamma Dist. (2023).
- (c) **Member**, Committee Constituted by Telangana State Council of Higher Education (TSCHE) to establishing of IIIT Gadwal, Jogulamba-Gadwal (Dist.) (2021)
- (d) **Member**, Committee Constituted by Telangana State Council of Higher Education (TSCHE) to establishing of JNTU College of Engg., at Rajanna Sircilla Dist. (2019)
- (e) **Member**, Committee Constituted by Telangana State Council of Higher Education (TSCHE) to establishing of RGUKT, at Wanaparthy, Mahabubnagar (Dist.) (2018)
- (f) **Member**, Proh. & Excise Dept., Feasibility to Introduce Palm Tree climber machines in the State of Telangana (2017).
- (g) **External Member**, DRDO Assessment/selection committee for Scientists/Technical officers.
- (h) **Member**, Institute Management Committee of Advanced Training Institute (ATI), Vidyanagar, Hyd. (Ministry of **Skill Development & Entrepreneurship**)
- (i) **Co-Convener**, TS PGEC/PGECET-2021-23 Admissions appointed by TSCHE, Hyderabad
- (j) **Co-Convener**, TS PGEC/PGECET-2015 Admissions appointed by TSCHE, Hyderabad.
- (k) **Member**, Laboratory Level Awards Committee, ASL, DRDL, Hyderabad.
- (l) **Member**, TSPSC & APPSC - Confidential Work, Govt. of Telangana & Govt. of AP.
- (m) **Task Force Committee Member**, for inspection of Private Engineering Colleges in AP, constituted by Govt. of AP (2012) and TS.
- (n) **Regional Co-ordinator**, (Hyderabad Central Zone) TS EAMCET-2021
- (o) **Member**, Confidential Team EAMCET-2016, JNTUH, Hyd.
- (p) **Regional Co-ordinator**, (Hyderabad Central Zone) TS ECET-2019.
- (q) **Regional Co-ordinator**, (Hyderabad Central Zone) TS ECET-2018.

19. (a) Administrative Positions at University Level:

- (a) **Director**, Entrepreneurship Development Cell, Osmania University (2010-till date)
- (b) **Additional Controller of Examinations** (P-1), Exam Branch, OU (2013 to 2015)
- (c) **Chairman**, Board of Studies in Mechanical Engineering (OU), (2010 to 2012)
- (d) **Joint Director**, Publications & Press, Osmania University (2008-10)
- (e) **Chairman**, Board of Studies in Mechanical Engineering, Mahatma Gandhi University, Nalgonda, T.S

(b) Administrative Positions at College Level:

- (a) **Member on the Governing Body**, University College of Engineering, OU (2022-2024)
- (b) **Member, Academic Council**, University College of Engineering, OU (2022-2025)
- (c) **Principal I/c**, University College of Engineering, OU
- (d) **Vice-Principal**, University College of Engineering, OU (Feb 2017 to Nov 2018)
- (e) **Chairman**, Board of Studies in Mechanical Engineering (Autonomous), (2009 to 2013)

(c) Administrative Positions at Department Level:

- (a) **Head**, Dept. of Mechanical Engineering, UCE, OU (2015 to 2017)
- (b) **Member**, DC, Mechanical Engineering Dept., UCE, OU (1998-2002 & 2011-till date)
- (c) **Member**, DRC, Mechanical Engineering Dept., UCE, OU (2010-till date)
- (d) **Faculty Adviser**, M.E. (Tool Design) (2011- 2015)
- (e) **Faculty Adviser**, M.E. (Production) (2005-07 and 2008-2011)
- (f) **In-charge**, Production Engineering Laboratory (2005-07, 2008-2011 & 2015- till date)

20. **Contributions to Curriculum Development Govt./Private Colleges:**

- (a) **Member**, Board of Studies in Mechanical Engineering
 - ✚ Gudlavalleru Engineering College, Krishna (Dist) A.P (2023-till date)
 - ✚ Sri Vasavi Engineering College, Tadepallygudem, (2017-till date)
 - ✚ Institute of Aeronautical Engineering (IARE) (2015- till date)
 - ✚ GMRIT, Rajam, Srikakulam Dist, AP (2014-till date)
 - ✚ CMRCET, Medchal, Hyderabad (2019-till date)
 - ✚ Amrita Sai Institute of Science & Technology, Vijayawada (2018-till date)
 - ✚ Nalla Malla Reddy College of Engineering, Hyderabad (2021-till date)
 - ✚ JNTU Hyderabad (2018-2021), JNTU Kakinada (2016-2017)
 - ✚ SNIST, Ghatkesar, R.R Dist. (2009-2014), CVRCE, Ibrahimpatnam, R.R Dist. (2010-2019), SREC, Warangal (2015-2016)

21. **Membership of Professional Bodies:**

- (a) **Life Member**, International Association of Engineers (IAENG-229006), Hong Kong
- (b) **Life Member**, Indian Society of Theoretical and Applied Mechanics (ISTAM), India
- (c) **Life Member**, The Indian Society for Technical Education (ISTE), India
- (d) **Fellow**, Indian Society of Mechanical Engineers (ISME), India
- (e) **Life Member**, Indian Welding Society (IWS), India
- (f) **Fellow**, Institution of Engineers (India), Telangana State

22. **Contributions to Teachers' Association:**

- (a) **Secretary**, Engineering College Teachers' Association (ECTA) (2012-14)
- (b) **Joint Secretary**, Osmania University Teachers' Association (OUTA) (2014-19)
- (c) **Vive-President**, Osmania University Teachers' Association (OUTA) (2019-2022)

23. **Contributions to Society:**

During the difficult times of lockdown 2020, me and my friends managed to do our bit to help the fellow citizens through the platform "**Feed The Needy**" (OUCE Class of 1994). In 60 days, we identified 55 places and distributed over 1855 dry-ration kits, making a small difference to the lives of about 21000 needy individuals have food on their table for at least 15 days.

24. ***The List of Programmes Conducted/Attended/Journal Publications:***

Sl. No	Programmes	Nos
1	Seminars/Conferences/Symposia/Workshops etc. Attended:	22
2	Orientation / Short-Term Courses/FDPs Attended:	16
3	Conferences/Workshops/Training Programmes Conducted:	19
4	Resource Person in Seminars/Workshops/Training Programs:	21
5	Entrepreneurship Programmes Conducted (during 2010 to 2021)	59
6	Published in Refereed International Journals	51
7	Presented in International Conferences Proceedings:	33
8	Presented/Published in National Conferences	12

Sd/-
(Dr. A. Krishnaiah)