

Name : Dr. GADADASU VENKATESHWARLU

Designation : Assistant professor©

Qualfication : PhD in Mechanical Engineering

Organization : Mechanical Engineering Department,
University College of Engineering,
Osmania University, Hyderabad



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Mobile: 9440154984

RESEARCH INTERESTS

- Advanced manufacturing
- Flow forming, Spinning, Metal forming
- Metal cutting and machine tools

Office

Department of Mechanical Engineering,
University College of engineering, Osmania
University, Hyderabad, Telangana

Home

H No 2-2-1107/45, Tilak Nagar,
Nallakunta, Hyderabad,
Telangana, 500044.

Permanent Address: Vig. Udimilla, Mandal: Padara, Dist: Nagarkurnool, Telangana State: 509201.

QUALIFICATIONS:

Degree	University	Specialization	Year of Pass	Division
B. E	Osmania	Mechanical	1995	1
M. E	Osmania	Production Engg	2002	1
Ph.D.	Osmania	Advanced manufacturing Flow forming	2022	

Ph.D. in Mechanical Engineering from Osmania University, Hyderabad, Telangana.

Thesis: *Investigation on influence of process parameters in flow forming of Aluminium Alloy AA6061.*

SUPERVISORS:

Dr .K. Ramesh Kumar

Executive director (Production)
BrahMos, Defence Research & Development
Organization (DRDO), Hyderabad.

Prof. T.A. Janardhan Reddy

Former Head, Dept. of Mechanical Engg.
University College of Engineering(A)
Osmania University, Hyderabad.

WORK EXPERIENCE

Organization	Designation	Period	
		From	To
University College of Technology, Osmania University, HYD	Assistant Professor©	2000	2007.
University College of Engineering, Osmania University, HYD	Assistant Professor©	2007	Till date

INDUSTRIAL EXPERIENCE:

Organization	Designation	Period	
		From	To
Midhani (Mishra Dhatu Nigam Limited) Govt., of India, Hyderabad.	Graduate Apprentice	1996	1997
Organization	Designation	Period	
		From	To
CMC Ltd., Hyderabad	Post-Graduate Diploma in Computer Applications	1999	2000

COURSES TAUGHT AT PG AND UG

PG Courses:

- Advanced metrology
- Mechatronics system
- Drives and Controller for Automation
- Fluid power system
- Automation
- Optimization of Techniques
- Operations Research
- Industrial safety

UG Courses:

- Metal cutting
- Metal Cutting and Machine Tool Design
- Engineering Mechanics-I
- Engineering Mechanics-II
- Applied Mechanics
- Engineering Drawing-I
- Engineering Drawing-II
- Strength of materials
- Mechatronics System
- Design of Mechatronics System
- Operations Research
- Mechanical Engineering
- CAD/CAM

Labs:

- Strength of materials
- **Engineering Workshop Practice**
- **Manufacturing Process**
- **Engineering Drawing**
- **Metrology and machine tools**
- **Auto Cad**

Number of B.E. Projects Guided: 15 Completed (4 ongoing)

Number of M.E. Projects Guided: 3 Completed

Membership of Professional Bodies:

Membership Number: SAEINDIA, Membership No: 7240410082

ORCID: 0000-0003-2176-9946

PUBLICATIONS:

Number of Publications: 16 [Citations: 36, h-index: 3, i 10-index: 2]

Research Gate Score – 6.6; Citations – 11+; h-index – 1;

Paper Reviewer: Reviewer for the IJIRT Referral Panel

Journals:

1. G.Venkateshwarlu, K.Ramesh Kumar, T. A.Janardhan Reddy, G.Gopi., “Study on the Mechanism of Force Calculations on Flow Forming”: A Review “International Journal of Engineering Science and Innovative Technology”. (IJESIT).(2012)
2. G.Venkateshwarlu, K.Ramesh Kumar, T.A.Janardhan Reddy, G.Gopi., “Study on the Mechanism of Flow Forming: A Review”. “International Journal of Engineering Science and Innovative Technology”. (IJESIT).(2012)
3. G.Venkateshwarlu, K.Ramesh Kumar, T.A.Janardhan Reddy, G.Gopi. “Experimental Investigation on Spinning of Aluminum Alloy 19500 Cup” International Journal of Engineering Science and Innovative Technology (IJESIT) Volume 2, Issue 1, January 2013. Journal Impact Factor (2013): 6.0 (Calculated by GISI) (2013)
4. G.Venkateshwarlu, K.Ramesh Kumar, T.A.Janardhan Reddy, G.Gopi, “Study on the Mechanism of Force Calculations in Flow forming”: A Review International Journal of Advanced Research In Engineering And Technology (IJARET) Volume 4, Issue 3, April 2013, pp. 194-201. Journal Impact Factor (2013): 5.8376 (Calculated by GISI)(2013)
5. G.Venkateshwarlu, K.Ramesh Kumar, A.M.K.Prasad, T.A.Janardhan Reddy, Evaluation of Mechanical Properties of Aluminum Alloy AA 6061(HE-20) International Journal of Current Engineering and Technology. ISSN 2277 – 4106 (2014)
6. G.Venkateshwarlu, K.Ramesh Kumar, A.M.K.Prasad, T.A.Janardhan Reddy, “Evaluation of Mechanical Properties of Aluminum Alloy AA 6061(HE-20)” 1st International Conference on Advances in Mechanical Sciences(2014).
7. K.Saraswatamma, G.Venkateshwarlu, P.Venkatrami Reddy,” Optimization of surface roughness in the roller burnishing process using RSM&D.F” International Conference on Emerging Trends in Mechanical Engineering(ICEME-2014).
8. G.Venkateshwarlu, K.Ramesh Kumar, T.A.Janardhan Reddy “Experimental Study of Flow forming Process Parameters on Thickness variation of Aluminum Alloy AA6061 Tubes” International Journal of Latest Research in Engineering and Technology (IJLRET) ISSN: 2454-5031www.ijlret.com || Volume 02-Issue 10 || October 2016 || PP.33-40
9. G.Venkateshwarlu, K.Ramesh Kumar, T.A.Janardhan Reddy “Estimation of the Grain size number and Microstructure analysis of AA6061 alloy flow formed tubes” International Conference on Emerging Trends in Engineering (ICETE) March 2019 || PP.136

10. G.Venkateshwarlu A Study and Modal Analysis of Flow Forming Roller Based on Finite Element Analysis International Journal of Innovative Research in Technology February 2023| IJIRT | Volume 9 Issue 9 | ISSN: 2349-6002

Conferences:

1. G.Venkateshwarlu, K.Ramesh Kumar, T.A.Janardhan Reddy, G. Gopi Study on the Mechanism of Flow forming: A Review “2nd International Conference on Advancements in Engineering& Management” (2012)
2. **G.Venkateshwarlu**, K.Ramesh Kumar, T.A.Janardhan Reddy, G. Gopi “***Study on the Mechanism of Flow forming***”, A Review “2nd International Conference on Advancements in Engineering& Management” (ICAEM-2013). Royal Institute of Technology & Science, Hyderabad, Telangana, India.
3. G.Venkateshwarlu, K.Ramesh Kumar, T.A.Janardhan Reddy, “Evaluation of Mechanical Properties of Aluminium Alloy AA 6061(HE-20)”, 1st International Conference on Advances in Mechanical Sciences (ICAMS-2014). Department of Mechanical Engineering Vardhaman College of Engineering, Hyderabad, Telangana, India-501218.
4. K.Saraswathamma, **G.Venkateswarlu**, S.Venkatarami Reddy “Optimization of surface roughness in the Roller burnishing process using response surface methodology and desirability function” International conference on Emerging Trends in Mechanical Engineering. ISBN: 978-93-82163-09-1 .VOLUME 1 – 24th and 25th Febuary 2014. ICEME-2014
5. **G.Venkateshwarlu**, K.Ramesh Kumar, T.A.Janardhan Reddy, “***Experimental studies on flow forming of Aluminium Alloy AA6082-O Tubes***”, International Conference on Advances in Materials and Manufacturing” (ICAMM-2016). Department of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad, Telangana, India-500007.
6. **G.Venkateshwarlu**, K.Ramesh Kumar, T.A.Janardhan Reddy, “***Estimation of Grain Size number and Micro structure analysis of AA6061 Alloy Flow formed Tubes***” International Conference on Emerging Trends in Engineering. (ICETM-2019).University College of Engineering, Osmania University, Hyderabad, Telangana, India-500007.
7. G.Venkateshwarlu, K.Ramesh Kumar, E.Madhusudan Raju “Effect of flow forming Processes on Microstructure and grain size of AA 6061 Aluminum Alloy”, 9th International & 30th All India Manufacturing Technology, Design and Research Conference, (AIMTDR 2023), December 08-10, 2023.
8. G.Venkateshwarlu, K.Ramesh Kumar, E.Madhusudan Raju ‘*Influence of process parameters on microhardness during flow farming process of Aluminum Alloy AA6061*’ Sixth International Congress on Advances in Mechanical Sciences, Department of Mechanical Engineering, VARDHAMAN COLLEGE OF ENGINEERING on 26 & 27 July 2024

Book Chapter:

1. G.Venkateshwarlu, K.Ramesh Kumar, T.A.Janardhan Reddy, G.Gopi “Estimation of Grain Size number and Micro structure analysis of AA6061 Alloy Flow formed Tubes”, Springer Science and Business Media LLC, Springer Nature Switzerland AG 2020,

Technical Strengths

Software &Tools: ANSYS, AUTOCAD, SOLIDWORKS

Conferences/workshops/STTPs/seminars/refreshers/orientation//TrainingProgrammers

Training on CNC Machining Tools and Techniques	MED,UCE,OU	12 th Feb,2013	TEQIP-II
Three day workshop on Engineering Research Methodology	CED,UCE, OU	26-28, Aug, 2013	UCE,OU
Faculty Development Programme in Entrepreneurship	EDC,OU	2Weeks, 30 th Dec –10 th Jan2014	NDTEDB DST NewDelhi
One week Staff Developmentprogram on ExperimentalDesignsforOptimization	MED,UCE,OU	OneWeek 19th-24thMay,2014	TEQIP-II
One day workshop on IndustryInstitute and Defence LabsInteraction	MED,UCE,OU	30 th Aug,2014	TEQIP-II
Two conference on ETIME	MED,UCE,OU	29-30,Dec2014	MED,UCE,OU andDRDO
International conference on Advances in materials andmanufacturing-2016	UCE,OU& DRDO,GOI	8- 10thDecember,2016	TEQIP-II
Onedayinduction program	UCE,OU	20 th Jan,2018	TEQIP-II
International Conference on Emerging trends in Engineering	Alumni association,UCE,OU	22-23March,2019	TEQIP-II
Three week induction program	UCE OU	16 July to 3 august, 2018	UCE OU
Two day technical workshop auto cad	MED	23 and 24 Feb 2019	UCE OU

Advanced manufacturing System	MED,	30th July, 2009	UCE, OU.
3 days workshop on NBA Accreditation	UCE, OU	12-14 August, 2020	TEQIP-III

Organizing Committee Member

S. No	Programme	Type of Committee Year	Year
1	RAME-2012, National conference	16-17th March 2012	16-17th March 2012
2	ICORTE 2010, International conference	Hospitality and Accommodation	27-28th August, 2010
3	ICORTE 2010, International conference	Committee Member	28th August, 2010 6 ISTAM
4	ISTAM-2008, International Conference	Committee Member	27-30th December, 2008
5	VETOMAC-2007, International conference	Organizing Committee Member	17-19th December 2007

Staff Development Programs

- Participated in staff development program sponsored by AICTE, New Delhi on “Plastics product manufacturing techniques and its advancements” at CIPET, Hyderabad (Nov.19-30, 2007).
- Participated in staff development program sponsored by AICTE, New Delhi on “Technological improvements in plastics processing and testing” at CIPET, Hyderabad (Aug. 9-20, 2010).
- Participated in faculty development program in Entrepreneurship, sponsored by NSTEDB, DST, New Delhi at UCE, O.U., Hyderabad (Aug.26 – Sept.9, 2010).
- Participated in faculty development program on Advances in Manufacturing Technology – Hard & Soft”, sponsored by AICTE, New Delhi at IPE, O.U., Hyderabad (Feb. 4-16, 2013).
- Participated in faculty development program in Entrepreneurship, sponsored by NSTEDB, DST, New Delhi at UCE, O.U., Hyderabad (Feb.2-14, 2015).
- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Emotional Intelligence" from 08/11/2021 to 12/11/2021 at University College of Engineering, Osmania University
- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on " Novel Materials" from 22/11/2021 to 26/11/2021 at University college of Engineering, Osmania University.
- One week online ATAL Academy FDP on “Stress Management and Response Effectiveness, Organizing Self, Attitudinal Shift, Decision Making” AICTE Training and Learning (ATAL) Academy 07-11th September 2020.
- Participated Subject Expert to attend the meeting for the preparation of ‘Comprehensive Glossary of Engineering (English-Hindi-Telugu)’ Organized by Department of Higher Education, Ministry of Education, Commission for Scientific and Technical Terminology Government of India Organized from dated 9-3-2022 to 15-3-2022 at MANUU, Hyderabad.

- Participated Subject Expert to attend the meeting for the preparation of ‘**Comprehensive Glossary of Engineering (English-Hindi-Telugu)**’ Organized by Department of Higher Education, Ministry of Education, Commission for Scientific and Technical Terminology **Government of India** Organized from dated 23-3-2022 to 28-3-2022 at MANUU, Hyderabad.
- Successfully attended one week online faculty development program on Progressive Trends in Mechanical Engineering and Allied fields’ organized by center of excellence of FMS/Robotic Design with Mechanical engineering Department, G H Raison College of Engineering Nagpur, held in the duration of 28.06.2022 to 02.07.2022.
- Two day National Seminar On Quality Assurance and Faculty Preparation for NAAC Accreditation of Osmania University organized by Internal Quality Assurance Cell, Osmania University on 27th and 28th February 2024.

Additional Responsibilities

- Dept., Coordinator for B.E attendance
- B.E & M.E Examination Incharge, Department of Mechanical Engineering, UCE(A)-2007- 12
- Time Table Incharge, Department of Mechanical Engineering, UCE(A) (2017 to 2020)
- Observer for Various Competitive Examinations like PGECET, ICET, EAMCET etc
- Department Coordinator, Induction Program for BE I semester students (2019-2020), University College of Engineering, Osmania University.
- Coordinator, Induction Program for BE I semester students (2020-2021), University College of Engineering, Osmania University.
- Coordinator, Induction Program for BE I semester students (2021-2022), University College of Engineering, Osmania University.
- Coordinator, Induction Program for BE I semester students (2022-2023), University College of Engineering, Osmania University.
- Coordinator, Induction Program for BE I semester students (2023-2024), University College of Engineering, Osmania University.
- NBA Coordinator for Department of Mechanical Engineering.
- B.E & M.E Examination Incharge, Department of Mechanical Engineering, UCE (A)-2024 to till date.
- Coordinator- BE Summer Internship and Project works (2018-2020)
- Coordinator- BE Summer Internship and Project works (2021-2022)
- Coordinator- BE Summer Internship and Project works (2022-2023)

CO-ORDINATOR:

Coordinator for a two days technical workshop organized Department of Mechanical Engineering Collaboration with CANTER CADD on 23.2.2019 and 24.2.2019.

GUEST LECTURE:

Delivered Guest lecture on Kinetics of Rigid Bodies organized by Department of Mechanical Engineering Nawah Shah Alam Khan College of Engineering & Technology, Hyderabad. On 16.4.2019.

(Dr. G. Venkateshwarlu)