



**OSMANIA UNIVERSITY
HYDERABAD – 500 007**

1. Name (in Block Letters) : **REGA RAJENDRA**
2. Designation : **Professor (since 2014)**
3. Department : **Mechanical Engineering**
4. College : **University College of Engineering , OU**
5. OU Employee ID : **51020**

Mobile No: 9494560763. Email: regaraj@gmail.com, regaraj@osmania.ac.in

6. Academic Qualifications (copies of certificates to be enclosed):

Examination	Subject(s)	Name of the Board / University	Year of Passing	Percentage of marks Obtained	Division / Class / Grade
Undergraduate	BE(Mechanical Engineering)	Osmania University	1995	65%	First
Post-Graduate	ME(Production Engineering)	Osmania University	2003	65%	First
Ph.D.	Robotics and soft computing	IIT Khargapur	2012	NA	NA
Other Examination, if any	none	none	none	NA	NA

7. Fields of Specification under the Subject / Discipline:

- (a). **Production Engineering** and Manufacturing Metrology
- (b). Robotics and soft computing

8. Teaching Experience as Professor

No.	Designation / Academic Level	Date of Appointment	Experience in Years
1.	Professor	01-08-1997	Till date (i.e. 28 Years)

9. RESEARCH GUIDANCE:

- a) Ph.D. / b) M.Phils / c) M.Techs / d) Post Doctoral Guidance (may be attached as a separate sheet) Evidence of two Ph.Ds awarded under his/her supervision during assessment period may be submitted.

15a).-PhD			
Sl.	: Name of the Student-		Year
1	Name	Gotiom Tesfaye Geberesilassie,AWARDED	2019
	Title:	Adaptive sampling strategies for From Deviation Evaluation of Freefrom surfaces and Artifact Based Continuous Performance verification of Coordinate Measurement Machine	

	Ref.Lr	No.504/PhD/Exams/2019 dated 01/10/2019	
2	Name	Mudda Nirish, AWARDED	2022
	Title:	Experimental and Additive Manufacturing on Mechanical Properties of AlSi 10Mg Parts Manufactured in Selective Laser Melting Process	
	Ref.Lr	652/PhD/Exams/2022 ,.....dated 16/11/2022	
3	Name	Md.Anwar..... AWARDED	2024
	Title:	Effect of Pulsed Cold Metal Transfer welding Process Parameters on the Mechanical Properties of Different weld Lap Joints	
	Ref.Lr		
4	Name	Lakavathu Chinna Balu AWARDED	2025
	Title:	Investigation Into The Effect Of Varied Constituents Of Coal Based Fly Ash Al 6063 Metal Matrix Composite Material For Disc Brake Performance Using Experimental And Simulation Approach	
	Ref.Lr		
5	Name	Papatla Rajesh..... AWARDED	
	Title:	Development and Gait Planning of a Hybrid Octapod Robot with a 5 - Dof Manipulator Using a Modified Peaucellier - Lipkin Mechanism for Multi -Terrain Locomotion	2025
	Ref.Lr		
6	Name	Donti Gopi Krishna AWARDED-Co Supervisor	
	Title:	Evaluation of Salt-Magnetized Cutting Fluid in the Hard Turning Process using TiCN+Al ₂ O ₃ Coated Carbide Insert-	2025
	Ref.Lr	No: 946/PhD/Exams/2025, dated 22/2/2025	
7	Name	Mohammad Abdul FazalAWARDED-Co Supervisor	2025
	Title:	Design and Development of a Hexa Copter Composite Drone Frame for improved Structural Performance using Topological Optmization....	
	Ref.Lr		
3		15c). M.Tech.-----Enclosed.....	Year

10. Furnish the following Registration IDs:

Sl. No	Particulars	Registration Number
1.	Google Scholar ID & Citations, H-Index, I-10 and I-20 Index	https://scholar.google.com/citations?user=PxWGjEsAAAAJ&hl=en All Since 2020 Citations 214 152 h-index 8 7 i10-index 6 5
2.	Scopus ID	57198770542
3.	Web of Science	https://www.webofscience.com/wos/author/record/AGL-5477-2022
4.	INFLIBNET-VIDWAN ID	Profile URL: https://vidwan.inflibnet.ac.in/profile/591104

5.	ORCID	0000 0002 7552 0700
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18. No. of Research/Academic Publications (may be attached as a separate sheet) :

Evidence of 10 best publications in the peer-reviewed or UGC-listed journals published during last 10 years may be submitted.

No. of publications in Journals of Repute:

S. No.	Title of the publication	Name of the Journal	Year of publication
1	REGA RAJENDRA and DILIP KUMAR PRATHIAR, Analysis of double support phase of biped robot and multi-objective optimization using genetic algorithm and particle swarm optimization algorithm ; pp. 549–575.	Sadhana Vol. 40, Part 2, April 2015, c Indian Academy of Sciences	2015,
2	Goitom Tesfay, Ravva Srinivas, Rega Rajendra , EQUIPARAMETRIC SAMPLING STRATEGY FOR EVALUATION OF HIGHER DEGREE FREE FORM SURFACE USING CONTACT MEASUREMENT, pp. 21–27	International Journal of Advanced Research in Engineering and Technology (IJARET) Volume 8, Issue 4, July - August 2017, , Article ID: IJARET_08_04_003 http://www.iaeme.com/IJARET/issues.asp?JType=IJARET&VType=8&IType=4 ISSN Print: 0976-6480 and ISSN Online: 0976-6499 © IAEME Publication	2017
3	GOITOM TESFAY and REGA RAJENDRA GLOBAL FORM DEVIATION EVALUATION OF FREE-FORM SURFACE, USING COORDINATE MEASURING MACHINE	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD) ISSN (P): 2249-6890; ISSN (E): 2249-8001 Vol. 7, Issue 6, Dec 2017, 525-532 © TJPRC Pvt. Ltd	2017
4	Papatla Rajesh, Rega Rajendra , Ponugoti Gangadhara Rao ; Comprehensive Kinematic and Dynamic Analysis of the RL-DCi Multi-Axis Jointed - Arm Robot Using RobotAnalyzer and MATLAB , page 75-81	International Journal for Modern Trends in Science and Technology ISSN: 2455-3778 :: Volume: 05, Issue No: 02, February 2019	2019
5	Lakavathu Chinna Balu, R. Rajendra , Review on Automobile Disc brake system and Materials 2019 JETIR March 2019, Volume 6, Issue 3, page 724-729	www.jetir.org (ISSN-2349-5162) JETIR1903N95 Journal of Emerging Technologies and Innovative Research (JETIR) www.jetir.org 724	2019
6	Doneti Gopi Krishna, G. Chandra Mohan Reddy, R. Rajendra, (2020) “Optimization of Metal Removal Rate in Turning of AISI D3 Steel by Varying Flow Rate of Coolant”	International Journal of Mechanical Engineering, Kalahari Publications, @Kalahari Journals ISSN: 0974-5823 Vol. 5 No. 2, Pages: 73-79.	2020
7	Mudda Nirish and R Rajendra , Optimization of Process Parameter and Additive Simulation for Fatigue Strength Development by Selective Laser Melting of AlSi10Mg Alloy ; page 3795-3802	International Journal of Mechanical Engineering ISSN: 0974-5823 Vol. 7 No. 2 February, 2022	2022
8	Mudda Nirish , R. Rajendra . Heat Treatment	Journal of Mechanical Engineering	2022

	Effect on the Mechanical Properties of AlSi10Mg Produced by Selective Laser Melting, pp. 19-28	Research and Developments ISSN: 1024-1752 CODEN: JERDFO Vol. 45, No. 2, Published Year 2022 19	
9	Mudda Nirish , R.Rajendra,, Fatigue Performance Improvement of AlSi10Mg Manufactured by Selective Laser Melting through Heat Treatment , pp. 01-13	Journal of Mechanical Engineering Research and Developments ISSN: 1024-1752 CODEN: JERDFO Vol. 45, No. 3Published Year 2022 1	2022
10	Mudda Nirish and R Rajendra , Effect of Heat Treatment on Wear Characterization of AlSi10Mg Alloy Manufactured by Selective Laser Melting , pp. 10-18	Journal of Mechanical Engineering Research and Developments ISSN: 1024-1752 CODEN: JERDFO Vol. 45, No. 2, Published Year 2022	2022
11	Md Anwar ,Mudda Nirish , R.Rajendra, Microstructure and Mechanical Properties of Al5052 – SS304 Dissimilar Weld Lap Joint by Pulsed Cold Metal Transfer Process, pp. 111-123	Journal of Mechanical Engineering Research and Developments ISSN: 1024-1752 CODEN: JERDFO Vol. 45, No. 3, Published Year 2022 111	2022
12	Mudda Nirish and R Rajendra, Additive Layer by Layer Simulation and Taguchi Loss of Function for AlSi10Mg Alloy Samples Manufactured by Selective Laser Melting ,pp-765-770	ISSN: 0974-5823 Vol. 7 No. 5 May, 2022 International Journal of Mechanical Engineering	2022
13	Mudda Nirish1 and R Rajendra, Additive Simulation and Process Parameter Optimization for Wear Characterization Development by Selective Laser Melting of AlSi10Mg Alloy ,pp-103-116	Journal of Characterization Vol 2, no2, pp. 103-116, May 2022 Copyright © 2021 JCHAR ISSN: 2757-9166	2022
14	Mudda Nirish and Rajendra R , Optimization Process Parameter on Wear Characterization of Al6061 and AlSi10Mg Alloy Manufactured by Selective Laser Melting ,pp 01-09	International Journal of 3D Printing and Additive Manufacturing , Research Article 2022: Volume 1, Issue 1 01 Published Date: 20-05-2022	2022
15	Lakavathu Chinna Balu1, R Rajendra, Optimization Of Wear Control On Disc Breaking System For High-Speed Vehicles, pp-1-10	International Journal of Mechanical Engineering, ISSN: 0974-5823 Vol. 7 No. 08 August, 2022	2022
16	Doneti Gopi Krishna, G. Chandra Mohan Reddy, R. Rajendra, “Optimization Using DEFORM-3D Software and Experimental Study on The Influence of Magnetized Coolant on Tool Wear in Turning Operation”	Industrial Engineering Journal, ISSN: 0970-2555, Volume: 52, Issue 12, No. 2, Pages: 1-9.	2023
17	Papatla Rajesh, Rega Rajendra, Gangadhara Rao P, Design and fabrication of Theo Jansen's eight legged walking Robot, pp-4-10	International Journal of Enhanced Research in Science, Technology & Engineering, ISSN: 2319-7463, Vol. 12 Issue 6, June-2023 , IF.: 7.957,	2023
18	Doneti Gopi Krishna, G. Chandra Mohan Reddy, R. Rajendra, “Optimization of Process Parameters in Turning of Hard Steel by Supplying Magnetized Cutting fluid based on the MQL System”	High Technology Letters, ISSN NO: 1006-6748, Volume 30, Issue 1, Pages: 454-462.	2024
19	Papatla Rajesh, Rega Rajendra, Ponugoti Gangadhara Rao,	JOURNAL OF MECHANICS OF CONTINUA AND	2024

	EVOLUTION AND ANALYSIS OF SINGLE-DEGREE-OFFREEDOM WALKING MECHANISMS IN LEGGED ROBOTS: A BIBLIOMETRIC STUDY, pp-81-100	MATHEMATICAL SCIENCES www.journalimcms.org ISSN (Online) : 2454 -7190 Vol.-19, No.-5, May (2024) pp 81-100 ISSN (Print) 0973-8975	
20	Doneti Gopi Krishna, G. Chandra Mohan Reddy, R. Rajendra , “Simulation of cutting forces using DEFORM 3D software and Experimental validation”	Strad Research, ISSN: 0039-2049, Volume 11, Issue 2, Pages: 208-214.	2024

19. Citations Record:

Total Citations (source) :

20. Extramural Research Grants:

S. No.	Title of the Research Project	Funding agency	Tenure	Grant mobilized (in Rs.)
	---none---			

21. Consultancy

S. No.	Name of the Organization to whom consultancy extended	Details of consultancy	Period		Consultancy Fee (Rs. In Lakhs)		
			From	To	Total	Individual share	University share
	---none---						

22. Books Reputed Publishing House:

S. No.	Title of the Book	Name of the publisher	Single author/ Two authors / More than two authors/ Edited volumes single author/ Edited volumes multiple authors	Year of publication

23. No. of Publications as book chapters

S. No.	Details of the Publication	Details of the Book	Year of publication
	Tesfaye Gebreselassie and Rega Rajendra Chap.36. Discrete Adaptive Sampling Strategy of Free form Surface Evaluation by Coordinate Measuring Machine Goitom	International Conference on Advances in Materials & Manufacturing (ICAMM-2016) December 8-10, 2016 Vol. 2 Editors Prof. A. Krishnaiah, OU Shri. C.V.S. Murthy, DRDL Dr. S. Sai Kumar, DRDL Dr. P. Ramesh Babu, OU Shri B. Hari Prasad, DRDL Dr. K. Saraswathamma, OU EXCEL INDIA PUBLISHERS NEW DELH, First Impression: December, 2016 © Osmania University, Hyderabad–	2016

		500007, Telangana, India e-ISBN: 978-93-86256-19-5	
1	Dilip Kumar Pratihara, V. Pandu Ranga, and Rega Rajendra , Humanoid Body Control Using Neural Networks and Fuzzy Logic Page 1-25	Humanoid Robotics: A Reference , https://doi.org/10.1007/978-94-007-7194-9_50-1 Springer Science+Business Media B.V. 2017 A. Goswami, P. Vadakkepat (eds.),	2017
2	Goitom Tesfaye and Rega Rajendra Chap-18.Sampling Strategy of Freeform Surface Evaluation Using a Coordinate Measuring Machine	Mechanical Engineering for Sustainable Development State-of-the-Art Research, Editors: C. S. P. Rao, PhD G. Amba Prasad Rao, PhD N. Selvaraj, PhD P. S. C. Bose, PhD V. P. Chandramohan Paperback ISBN: 978-1-77463-165-2 E-Book ISBN: 9781351170161 Pages: 672pp w/Index http://www.appleacademicpress.com/title.php?id=9781771886819 www.appleacademicpress.com	2019

18. In Conference Proceedings

S. No.	Title of the publication	Details of Conference	Peer Reviewed/ Others	Year of publication
1	Goitom Tesfay, Rega Rajendra , Adaptive Contour Curve Based Sampling Strategy of Free-form Surface Evaluation Using Coordinate Measuring Machine	Proceedings of 10th Intl.conf. on Precision , Meso, Micro, and Nano Engineering (COPEN 10), Dec 07-09,2017 ,IITM Chennai, 6000036, INDIA ISBN: 978-93-80689-28-9	Peer Reviewed	2017
2	Goitom Tesfaye, Rajendra Rega Paper Id : 10746 / Title : An Artefact based Continues Performance Verification of Coordinate Measuring Machine	7th International and 28th All India Manufacturing Technology, Design and Research Conference 2018 (AIMTDR 2018)	Peer Reviewed	2018
3	Mudda Nirish, R. Rajendra , Suitability of metal additive manufacturing processes for part topology optimization – A comparative study	ICALMS-2020: First International Conference on Advanced Light-weight Materials and Structures CMR Technical Campus	Materials Today Proceedings 27(2020) 1601-1607	https://doi.org/10.1016/j.matpr.2020.03.275 2214-7853/ 2019 Elsevier Ltd.

		Hyderabad, INDIA, March 6-7, 2020		
4	Lakavathu Chinna Balu, R. Rajendra , Analysis of disc brake with composite materials	14th International Conference on Materials Processing and Characterization, organized by Department of Mechanical Engineering, GRIET from 24th - 26th March 2022, Hyderabad, INDIA	Materials Today Proceeding s xxx(xxxx) xxx Article in Press	https://doi.org/10.1016/j.matpr.2023.07.288 ; Accepted 24 July 2023 214-7853/Copyright © 2023 Elsevier Ltd.
6	Md Anwar, R. Rajendra , Pulsed CMT Process Improves Mechanical Properties of Al 6061-T6 and SS 304 Lap Joints for Automotive	2nd International Conference On Emerging Trends In Engineering (Icete 2023), university college of Engineering, osmania university, Hyderabad , INDIA	Peer Reviewed	B. Raj et al. (Eds.): ICETE 2023 , AER 223, pp. 1159–1171, 2023. https://doi.org/10.2991/978-94-6463-252-1_116
7	D Gopi Krishna, G. Chandra Mohan Reddy, R. Rajendra (2024) “ Simulation of Magnetized Cutting Fluid Mixed with Sodium Salt in Hard Machining”	4th National Virtual Conference on Recent Advances in Technology & Engineering (CRATE-2024), 26th, -27th April , ISBN: 978-81- 970285-7-1.	Peer Reviewed	2024
8				

19. E-content/MOOCs Chapters:

S. No.	Title of the Topic	UG / PG	e-PG Patashala/ CEC/ NPTEL/ OERs
1.	-----none-----		

20. Teaching and Other Responsibilities:

(List of Courses and Academic Responsibilities such as Paper Setting, Invigilation and Evaluation)

21. Lectures Delivered as Invited/ Resource Person in Seminars/ Symposia/ Conferences/ Workshops / Orientation / Refresher Courses and Other Events

22. Participation in Administration/ Committees.

I. Academic Administrative Positions held :

HEAD, Faculty Advisor (ME Production Engineering),
Laboratory In-charge (Metrology In-charge :
Engineering Workshop etc

II. Member/ Participation in Bodies/ Committees
on Education and National Development:

III. Professional Organization of Teachers/ Bodies:

29. Prestigious Awards/ Honors:

S. No.	Name of the Award/ Honor	Awarding agency	Year of award
	-----none-----		

30. Any Other Relevant Information:

Undertaking:

I certify that, the above information provided is correct as per records available and to the best of my knowledge. If any of the above information is found to be incorrect at any point of time, the University may take disciplinary action against me as per University Rules.

Date:

**Signature of the Teacher
Designation**