

BIO--DATA

FOR THE POST OF Associate Professor

IN THE DEPARTMENT OF Mechanical Engineering



1. Name : Dr. K. Sita Rama Raju
2. Date of Birth, Age and Place of Birth: : 19th February 1985, 31 and Bhimavaram
3. Address for Communication : Flat No: 4, P.S.R Green City, Peda amiram,
Kalla Mandal, West Godavari (Dt), A.P
Pin: 534204
4. Permanent Address : Flat No: 4, P.S.R Green City, Peda amiram,
Kalla Mandal, West Godavari (Dt), A.P
Pin: 534204
5. Mobile No : 94406 39106
6. Email-ID : ksr.srkr@gmail.com
7. Educational Qualifications :

Qualification	University/Board	Name of the College	Specialization	Year of Passing	Division/Class	% of Marks
X Class	I.C.S.E. Board	Loyala Public School, Guntur	-----	2000	First	64.17
Intermediate	Board of Intermediate Education, AP	Nalanda Jr. College, Vijayawada	M.P.C	2002	First	73.20
UG	Andhra University	S.R.K.R. Engineering College	Mechanical Engineering	2006	First	67.28
PG	Andhra University	S.R.K.R. Engineering College	CAD/CAM	2009	First	68.00
Ph. D	Jawaharlal Nehru Technological University Kakinada	University College of Engineering, Kakinada	Mechanical Engineering	2015	-----	-----
Others	--	--	--	--	--	--

8. Project/Thesis: UG:

PG: "Prediction of surface roughness using neural networks and ANFIS"

PhD: "Launching vehicle to constant reinforcement ratio as a parameter for improving mechanical properties of aluminium metal matrix nanocomposites"

9. Other Certification Courses Completed

S.No	Area of Specialization	Certification	Course type
1	Introduction to TensorFlow	GoogleCloud	Coursera Online
2	Machine Learning with Python	IBM	Coursera Online
3	Scalable Machine Learning on Big Data using Apache Spark	IBM	Coursera Online
4	Using Python to Access Web Data	University of Michigan	Coursera Online
5	Python Data Structures	University of Michigan	Coursera Online
6	Programming for Everybody	University of Michigan	Coursera Online
7	Machine Learning using Python	SkyFi Labs, Roboversity	Online
8	Advanced Engine Management System and Electronic Diesel Control	SkyyRider Institute	Online

10. Teaching /Industry Experience:

S No	Designation	Organization	Period		Total Exp. Years and Months	Nature of Employment	Type of service Govt. Aided/ Un Aided/ Private/ recognized
			From	To			
1	Assistant Professor	S.R.K.R. Engineering College	06 th Aug, 2008	17 th Jan 2016	7 Years 5 Months	Regular	
2	Associate Professor	S.R.K.R. Engineering College	18 th Jan 2016	Till date	6 year 2 months	Regular	

11. Total Experience: Teaching _____ 13 years _____

Industry _____ NIL _____

Research _____

12. Area of Interest: Thermodynamics; Nanocomposites; Nanocharacterization; Evaluation of Mechanical Properties; Python Programming; Machine Learning; Deep Learning; Tensor Flow.

13. Any other Distinctions/Achievements:

14. Number of Ph.D students: Guiding: 1 (1- Annamali University, Tamil Nadu)

15. Research Experience:

(a) Research Papers Published in Journals

S No	Author (s) Name	Title of the Research Paper	National/International	Year of Publication	Name of the Journal	Vol.	Issue. No	Pages (PP)	ISSN No
1	K. Sita Rama Raju, Rama Murthy Raju P, Ramachandra Raju V, Ghosal P	Enhancement of the mechanical properties of an aluminum metal matrix nanocomposites by hybridization technique	International	2016	Journal of Materials Research and Technology (IF=5.039)	5	3	241-249	2238-7854
2	K. Sita Rama Raju, Rama Murthy Raju P, Ramachandra Raju V, Ghosal P	An Experimental and Micrographical Investigation on Aluminum Nano Metal Matrix Composites	International	2016	Journal of Composite Materials (IF=2.591)	50	26	3627-3641	0021-9983
3	K. Sita Rama Raju, Rama Murthy Raju P, Ramachandra Raju V, Ghosal P	Launching parameter to constant reinforcement ratio as a parameter for improving the nanoreinforcement distribution and tensile strength of aluminum nanometal matrix composites	International	2015	Journal of Materials Research (IF=0.748)	106	8	909-914	1862-5282
4	K. Sita Rama Raju, Rama Murthy Raju P, Ramachandra Raju V, Ghosal P	Investigation of novel parameters affecting distribution of reinforcement in nano metal matrix composites	International	2015	Journal of Nanomanufacturing	11	1 & 2	94-109	1746-9392
5	K. Sita Rama Raju, Rama Murthy Raju P, Ramachandra Raju V, Ghosal P	Evaluation of fatigue life of Al ₂ O ₃ /Al ₂ O ₃ particulate nano composite fabricated using stir casting technique	International	2015	Materials Today: Proceedings	-	2	3712-3717	2214-7853
6	K. Sita Rama Raju, Rama Murthy Raju P, Ramachandra Raju V, Ghosal P	Prediction of Surface Roughness in Turning Process Using Soft Computing Techniques	International	2012	International Journal of Applied Science and Engineering Research	1	3	36-43	2277-9442

(b) Research Papers Published in Conferences

S No	Author (s) Name	Title of the Research Paper	National/ International	Year of Publication	Name of the Conference	Pages (PP)
1	P.Venkata Deepthi, K. Sita Rama Raju, M. Indira Reddy	Dynamic mechanical analysis of banana, pineapple leaf and glass fibre reinforced hybrid polyester composites	International (Elsevier)	2019	International Conference on Applied Science and Technology	Vol:18 Issue: 6 Pg: 2114-2117
2	N Harsha, K Sita Rama Raju, V S N Venkata Ramana	Fabrication and prediction of tensile strength of Al-Al ₂ O ₃ nanocomposites	International (Elsevier)	2019	International Conference on Applied Science and Technology	Vol:8 Issue: 6 Pg: 2197-2200
3	Harsha N, Azit Kumar I, Rajesh S, K. Sita Rama Raju	Prediction of Machinability characteristics of Ti6Al4V alloy using Neural networks and Neuro-Fuzzy techniques	International (Elsevier)	2018	Advanced Materials, Manufacturing, Management and Thermal Science	Vol: 1 Issue: 5 Pg.: 8454-8463
4	N Sudheer Kumar, I R P K Varma, S Rajesh, K Sita Rama Raju, V V M K Raju	Prediction of Surface roughness and MRR in grinding process on Inconel 800 alloy using neural networks and ANFIS	International	2017	International conference on Materials, Processing and Characterization	Vol:5 Issue:2 Pg.: 5445-5451
5	K. Sita Rama Raju, Ramachandra Raju V, Ghosal P	Fabrication, characterization and testing of aluminum composites embedded by ultrafine nanoreinforcements	International (Elsevier)	2017	Advanced Materials, Manufacturing, Management and Thermal Science	Accepted
6	Sudheer N, V V M K Raju, Rajesh S, K. Sita Rama Raju	Neural Network and Fuzzy Logic based prediction of Surface Roughness and MRR in Cylindrical Grinding Process	International (Elsevier)	2017	International Conference on Advancements in Materials for Manufacturing	Vol:4 8134-8141
7	K. Sita Rama Raju, Ramachandra Raju V, Ghosal P	De-clustering of carbon nanotubes: A solution to improve strength of aluminum alloy	International (Elsevier)	2017	International Conference on Advancements in Materials for Manufacturing	Vol:4 8997-9003
8	K. Sita Rama Raju, Ramachandra Raju V, Ghosal P	Effect of reinforcement of nano Al ₂ O ₃ on mechanical properties of Al ₂ O ₃ /Al ₂ O ₃ NMMCs	International (Elsevier)	2016	International Conference on Materials Processing and Characterization	Accepted
9	Rajesh. S, Rama Murthy Raju. P, Sita Rama Raju. K	Evaluation of fatigue life of Al ₂ O ₃ /Al ₂ O ₃ particulate nano composite fabricated using stir casting technique	International (Elsevier)	2015	International Conference on Materials Processing and Characterization	3712-3717

10	K. Sita Rama Raju, Ramachandra Raju V, Ghosal P	Investigation of novel parameter affecting distribution of reinforcement and tensile strength of aluminum nano metal matrix composites	International	2014	International Conference on Advances in Design and Manufacturing (ICAD&M 14)	233-237
11	Rajesh. S, Rama Murthy Raju. P. and Sita Rama Raju. K.	Free vibrational and static analysis of air plane wing model	National	2010	National conference on Advances in Mechanical Engineering	169-176
12	K.Sita Rama Raju, Muralikrishnam Raju K, Ranga Janardhan	Prediction of surface roughness in turning process using adaptive neuro fuzzy inference system.	International	2009	International conference on computational methods in engineering and sciences	409-417

(c) Workshops/STTP Attended

S No	Name of the workshop/ STTP	Place	Period	
			From	To
1	Recent Advances in Composite Materials and Analysis of Composite Structures	JNTU Kakinada	29 th July 2019	03 rd August 2019
2	Research Methodologies	JNTU Kakinada	1 st May 2013	15 th May 2013
3	Intellectual Property Rights and Patents	JNTU Kakinada	16 th May 2013	30 th May 2013

(d) Workshops Conducted

S No	Name of the workshop/ STTP	Place	Period	
			From	To
1	One day workshop on “Innovations in Materials and Manufacturing”	S.R.K.R Engineering College	1 st March 2019	1 st March 2019

16. Achievements:

17. Strengths: Hard Work and Self Confidence

18. Other Details if any:

- a. Additional Chief Superintendent of Examination
- b. In-charge Mechanical Engineering Lab
- c. In-charge I.C Engines Lab
- d. Initiator “SRKR Automotive Club”
- e. Initiator “SRKR Car Diagnostics Club”

19. Personal Details:

(a) Name of the Father : Kalidindi Venkata Pathi Raju

(b) Name of the Mother : Kalidindi Sri Venkata Rajeswari
(c) Gender : Male
(d) Marital Status : Married
(e) Nationality : Indian

Date: 19th March 2022

Place: Bhimavaram

Signature of the Candidate