

BIO--DATA

IN THE DEPARTMENT OF MECHANICAL ENGINEERING



1. Name : Sri. SINGURU MADHAVARAO M. Tech
2. Date of Birth, Age and Place of Birth : 05-07-1990,31Year and Srikakulam
3. Address for Communication :S MADHAVARAO, Assistant Professor
Mechanical Department, Chinna Amiram
Bhimavaram-534204, AP, India
4. Permanent Address :S/o S Venkata Ramana, Door:17-2-103, Block-1
Vengal Rao Colony, Ward No-20, Amadalavasa (Mand),
Srikakulam-532186, AP, India
5. Mobile No :9494622010
6. Email-ID : madhava690@gmail.com; madhava690@srkrec.ac.in
7. Educational Qualifications :

Qualification	University/Board	Name of the College	Specialization	Year of Passing	Division/Class	% of Marks
X Class	Board of Secondary Education	Z P H High School, Korlakota		2006	First Class	79.8
Intermediate	Board of Intermediate Education	Narayana Junior College, Sheela Nagar, Visakhapatnam	M.P.C	2008	First Class	90.4
UG	Andhra University	S R K R Engineering College, Bhimavaram	Mechanical	2012	First Class with Distinction	8.3 (CGPA)
PG	Jawaharlal Nehru Technological University Kakinada	B V C Engineering College, Odalarevu	Thermal Engineering	2014	First Class with Distinction	85.2
Ph. D	Andhra University	Andhra University College of Engineering(A) (2020-2024)	-	-	-	-

8. Project/Thesis : UG: Prediction of Surface Roughness and MRR in WEDM in Regression Analysis

PG: Experimental Investigation on Heat Transfer by Natural Convection

Over A Cylinder For Different Orientations

PhD:

9. 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 Private
			From	To			
1	Assistant Professor (UG)	SRKR Engineering College	01/09/2012	31/12/2014	2years & 4months	Regular	Private
2	Assistant Professor (PG)	SRKR Engineering College(A)	01/01/2015	Till Date	7years & 2months	Regular	Private

9. Total Experience: Teaching: 9YEARS 06MONTHS

Industry: NIL

Research _____

10. Any other Distinctions/Achievements:

11. 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)
1	Shailendra Kumar Bohidar Vikram Kumar Gupta Ravi Teja Surakasi M.D. Mohan Gift S. Madhavarao Kedri Janardhana	Comparative investigation and optimization of turning process parameters using Taguchi technique in turning of Inconel 718	International	March 2022	Material today: Proceedings (Elsevier)	--	--	--
2	V. Ravi Raj, S. Jagadeesha, K.V. Pradeep Kumar, Agegnehu Shara Shata, P. Sathish Kumar, S. Madhavarao , G. Puthilibai	The compressive properties of AZ92A magnesium alloy containing titanium were studied by varying the hot-pressing and annealing temperature ranges	International	February 2022	Material today: Proceedings (Elsevier)	--	--	--
3	B. S. Praveen Kumar, K. R. Shobha, Manoj Kumar Singh, Moti Lal Rinawa, S. Madhavarao , Gurumeet C. Wadhawa, Tahani A. Alrebdi, David Christopher	Optimization and Wear Properties for the Composites of Metal Matrix AA8011/Boron Nitride Using Taguchi Method	International	February 2022	Hindawi IF:2.986	Volume 2022	Article ID 6957545	PP.1-10
4	K. M. Rakesh, Rama chandracharya Srinidhi, S. Gokul Kumar, K. S. Nithin, S. Madhavarao , S. Sathish, Alagar Karthick, M. Muhibbullah, Sameh M. Osman	Experimental Study on the Sound Absorption Properties of Finger Millet Straw, Darbha, and Ripe Bulrush Fibers	International	December 2021	Hindawi IF:1.726	Volume 2021	Article ID 7382044	PP.1-12
5	T. Vennila, Ravi Teja Surakasi, K.S. Raghuram, G. Ravi, S. Madhavarao , Chikkappa Udagani, M. Sudhakar	Investigation on tensile behaviour of Al/Si ₃ N ₄ /sugarcane ash particles reinforced FSP composites	International	December 2021	Material today: Proceedings (Elsevier)	--	--	--
6	S. Madhavarao , Ravi VarmaPenmetsa, G S V Seshu Kumar,	Investigation on Mechanical Properties of Friction Stir Welded Aa7075 & Aa6061 Joints	International	November 2019	(ICMPC-2019) Material today: Proceedings (Elsevier)	18	7	PP.2288-2297

	Ch Rama bhadri Raju, K. Tarun Kumar							
7	S. Madhavarao, Ch. Rama bhadri Raju, J Madhu kiran, N Sudheer Kumar Varma, P Ravi Varma	A Study of Tribological Behaviour of Aluminum- 7075/SiC Metal Matrix Composite	Internatio nal	October 2018	(ICMPC- 2018) Material today: Proceedings (Elsevier)	5	9	PP.2 0013 - 2002 2
8	S. Madhavarao, Ch. Rama Bhadri Raju, G S V Seshu Kumar	Investigation of Friction Stir Welding of Metal Matrix Composites Using a Coated Tool	Internatio nal	March 2018	(IMME17) Material today: Proceedings (Elsevier)	5	2	PP.7 735– 7742
9	S. Madhavarao, G.S.V. Seshu Kumar, Ch. Rama bhadri Raju, M. Anil Kumar	Investigation Of Thermal Analysis of Composite Slabs	Internatio nal	Septemb er 2016	Internationa l Journal of Current Research (IJCR)	Vol. 8	09	pp.3 8780 - 3878 4,
10	S. Madhavarao, Ch. Rama bhadri Raju, M. Satish Raja, M. Anil Kumar,	Modeling and Simulation of Steam Generator by using CFD Analysis	Internatio nal	August 2016	Internationa l Journal of Innovative Research in Science, Engineering and Technology (IJRSET),	Vol. 5	08	1502 4- 1503 0
11	S. Madhavarao, Ch. Rama bhadri Raju, P. Ravi Varma, M. Anil Kumar,	Design and Fabrication of Automatic Ground Clearance Adjustment System	Internatio nal	July- 2016	Internation al Journal on Recent and Innovation Trends in Computing and Communica tion (IJRITCC)	Vol. 4	07	156 – 159

(b) Research Papers Published/Presented in Conferences

S No	Author (s) Name	Title of the Research Paper	National/Inte rnational	Year of Publication	Name of the Journal	Pages (PP)
1	S. Madhavarao, Ravi Varma Penmetsa, Ch. Rama Bhadri Raju, Hema T. Raju Gottumukkala	Optimization of Process Variables in Abrasive Water Jet Machining of Nimonic C-263 Super Alloy Using Taguchi Method	International	October 2021	(ICIMA2021) (Springer) Advances in Sustainability Science and Technology	PP.16 7-177

2	P. Ravi Varma, S. Madhavarao, Ch. Rama bhadri Raju, G S V Seshu Kumar	A Study of Tribological Behaviour of 2014,2024,7075 Alloys	International	August 2019	(ICLIET-2018) Recent Advances in Material Sciences, Lecture Notes on Multidisciplinary Industrial Engineering, Springer Publications	PP 123- 137
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(c) Papers presented in Conferences, Seminars, Workshops, Symposia

S. No	Author (s) Name	Title of the Research paper presented	Title of Conference / Seminar etc	Organized by	Whether International/ National/ State/ Regional / University or college Level	Date (s) of the event
1	S. Madhavarao, Ravi Varma Penmetsa, Ch Rama bhadri Raju	Study Of Machinability of Nimonic C-263 Super Alloy On Abrasive Water Jet Machining	Emerging Trends in Materials, Computing and Communication Technologies (ICETMCCT-2021)	Annai Vailankanni College of Engineering , AVK Nagar, Pottalkulam	International	9 th to 10 th December 2021
2	S. Madhavarao, Ravi Varma Penmetsa, Ch. Rama Bhadri Raju, Hema T. Raju Gottumukkala	Optimization of Process Variables in Abrasive Water Jet Machining of Nimonic C- 263 Super Alloy Using Taguchi Method	Proceedings of Fourth International Conference on Inventive Material Science Applications, Advances in Sustainability Science and Technology, (ICIMA2021)	PPG Institute of Technology Coimbatore, India	International	14 th to 15 th May 2021
3	S. Madhavarao, Ravi Varma Penmetsa, G S V Seshu Kumar, Ch Rama bhadri Raju, K. Tarun Kumar	Investigation on mechanical properties of friction stir welded AA7075 and AA6061 joint	International Conference on Materials Manufacturing and Characterization (ICMPC-2019)	Gokaraju Rangaraju institute of Engineering and Technology Hyderabad	International	8 th to 10 th March 2019

4	S. Madhavarao, Ch. Rama bhadri Raju, J Madhu kiran, N Sudheer Kumar Varma, P Ravi Varma	A Study of Tribological Behaviour of Aluminum- 7075/SiC Metal Matrix Composite	International Conference on Materials Manufacturing and Characterization (ICMPC-2018)	Gokaraju Rangaraju institute of Engineering and Technology Hyderabad	International	16 th & 18 th March2 018
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(d) Workshops/STTP Attended

S No	Name of the workshop/ STTP	Place	Period	
			From	To
1	“Recent Advances in Materials and Challenges in Manufacturing Techniques” (2 Weeks)	JNTUK, Kakinada (Online)	07-Feb2022	19Feb2022
2	Advancement in Mechanical Engineering	Raj Kumar Goel Institute of Technology, Ghaziabad, U.P.,	06Sept2021	10Sept2021
3	"Novel Materials"	SRM Institute of Management and Technology.	23Aug2021	27 Aug2021
4	“Emerging Technologies In Automotive Industry”	V N R Vignana Jyothi IE& T, (Online)	16Aug2021	20 Aug2021
5	Scientific Documentation using LaTeX	SRKR Engineering College (A),	09Aug2021	14 Aug2021
6	Recent Trends in the Industrial Engineering and Management	GMRIT, Rajam (Online)	26 July, 2021	30July2021
7	“Emerging Trends in Advanced Materials & Manufacturing Processes”	Kakatiya Institute of Technology & Science, Warangal, (Online)	12 July, 2021	16July2021
8	“Inculcating Universal Human Values in Technical Education”	AICTE(Online)	28 June, 2021	2 July, 2021.
9	Data Science and its Applications	SRKREC, Bhimavaram	10 June, 2021	15 June, 2021.
10	Strategic Methods and Tools for Product Development”	SRKREC, Bhimavaram (Phase-I)	22nd February, 2021	26th February, 2021
11	Strategic Methods and Tools for Product Development (Two Weeks)	SRKREC, Bhimavaram (Phase-II)	22nd March, 2021	26th March, 2021
12	Additive Manufacturing for Medical and Aerospace Applications	SVECW, Bhimavaram	04 January, 2021	09 January, 2021
13	"Recent Trends in Renewable Energy"	Sri Balaji College of Engineering and Technology, Jaipur.	10Sept2020	12Sept2020

14	Electrical Vehicle	"Sri Balaji College of Engineering and Technology, Jaipur".	04Sept2020	06Sept2020
15	MATLAB and It's Applications	"Sri Balaji College of Engineering and Technology, Jaipur".	01Sept2020	03Sept2020
16	An Academic Perspective on Research	SRKREC, Bhimavaram	03Aug2020	07Aug2020
17	Advanced Research Traits in Materials & Design of Mechanical systems	VFSTR (Deemed to be University), Vadlamudi	22 July, 2020	27 July, 2020
18	Excerpts of Research Methodology and processes	Tirumala Engineering College, Narasaraopet	20 July, 2020	22 July, 2020
19	“Recent Developments In Mechanical Engineering	KITS WARANGAL	07 July, 2020	11July2020
20	“Advanced Materials and Manufacturing”	KITS WARANGAL	29 June, 2020	03 July, 2020
21	Advances In Composite Materials and Manufacturing Process	St. Ann's College of Engineering and Technology, Chirala	22 June, 2020	26 June, 2020
22	Potential Research Areas in Mechanical Engineering	VITS, Hyderabad	15 June, 2020	20 June, 2020
23	Research and Development in Materials Behaviour, Processing and Characterization Techniques	GLA University, Mathura IIM, Mathura Panjab University, Chandigarh	09 June, 2020	14 June, 2020
24	Advancements In Phase Change Material Based Thermal and Renewable Energy Techniques	Lakireddy Bali Reddy College of Engineering (A), Mylavaram.	01 June, 2020	05 June, 2020
25	Recent Advances in Material Characterization	NITTTR, Chandigarh	23 May ,2020	28 May ,2020
26	Modelling And Optimization Techniques For Materials and Manufacturing Processes	Lakireddy Bali Reddy College of Engineering (A), Mylavaram.	18 May ,2020	22 May ,2020
27	IOT& DRONE	SRKREC, Bhimavaram	23 rd Nov 2019	24 th Nov 2019
28	Research Methodology	SRKREC, Bhimavaram	8 th july2019	12 th july2019
29	Inovations in materials and manufacturing	SRKREC, Bhimavaram	1 th March2019	1 th March2019
30	Introduction to research (8 week)	NPTEL-AICTE	Feb 2019	Apr2019
31	IC engines and gas turbines (12 week)	NPTEL-AICTE	Jan2019	Apr2019
32	Additive Manufacturing	SRKREC, Bhimavaram	13 th July2018	14 th July 2018
33	Computational Fluid Dynamics	VVIT, GUNTUR	29 th April2018	3 rd May 2018

34	MOOCS, OPEN EDUCATION & OPEN EDUCATION RESOURCES	SRKREC, Bhimavaram	9 th Nov-2017& 26 th march-2018	11 th Nov2017 & 28 th march2018
35	3D printing technology in engineering education	NITW, Warangal	05 th June2017	10 th June2017
36	Statistical analysis with R	SRKREC, Bhimavaram	13 th Feb 2017	18 th Feb2017
37	Internet Of Things and Its Smart Devices Using Raspberry Pi	SRKREC, Bhimavaram	7 th July 2016	9 th July2016
38	Advance in Materials and Manufacturing Technologies	SRKREC, Bhimavaram	23 rd April2016	23 rd April 2016
39	Recent trends in Mechanical Engineering	SRKREC, Bhimavaram	31 st August 2015	31 st August 2015
40	Ansys Work Bench	SVECW, Bhimavaram	14 th DEC2015	18 th DCE2015

12. Achievements: I got 100 out of 100 marks in advanced fluid mechanics subject in M. Tech

13. Strengths: Hard Work, Sincerity, Honesty, positive thinking

14. Other Details if any:

ASSOCIATE MEMBER in the Institution of Engineers (India)

IAENG Membership in International Association of Engineers

15. Personal Details:

(a) Name of the Father : SINGURU VENKATARAMANA

(b) Name of the mother : SINGURU DAMAYANTHI

(c) Gender : Male

(d) Marital Status : MARRIED

(e) Nationality : INDIAN

Date:

Place: Bhimavaram

Signature of the Candidate

S MADHAVARAO