



Faculty Profile

General

Name	<i>Dr. Rudresh Addamani</i>
Designation,	<i>Associate Professor</i>
Department & Affiliated Institution	<i>Department of Mechanical Engineering P.E.S College of Engineering, Mandya – 571 401</i>
Research Area	<i>Welding, Acoustic Emission, Multi vision systems</i>
Contact Number	<i>+91 9739102611, 8660537683</i>
Email ID	<i>rudreshaddamani@gmail.com</i>



Academic Profile

Educational Qualifications

Degree	College	University	Year of Passing	% ge	Class
BE	<i>STJIT, Ranebennur</i>	<i>KUD, Dharwad</i>	<i>1999</i>	<i>63.5</i>	<i>Fist</i>
M.Tech	<i>BVCET, Hubballi</i>	<i>VTU, Belagavi</i>	<i>2003</i>	<i>70</i>	<i>FCD</i>
Ph.D	<i>PES Research Centre</i>	<i>VTU, Belagavi</i>	<i>2019</i>	<i>--</i>	<i>---</i>

Research Achievements/Awards

Ph. D / M.Sc., Engg./M/Phil	Ph. D - Nil	M.Sc., Engg./M/Phil -
-----------------------------	-------------	-----------------------

Professional Experience

Organization & Department	Designation	Period	Total of Experience
<i>Helicopter Division, HAL, Bangalore</i>	<i>Contract Engineer</i>	<i>2003 to 2005</i>	<i>2 Years</i>
<i>BCET, Bangalore</i>	<i>Lecturer</i>	<i>2005-2006</i>	<i>1 ½ year</i>
<i>PDACE, Gulbarga</i>	<i>Lecturer</i>	<i>2006-2009</i>	<i>2 ½ years</i>
<i>PESCE, Mandya</i>	<i>Assistant Professor</i>	<i>2009 to Till date</i>	<i>12 years</i>

Report of Work for the Academic Year : 2019-20

Academics	Description of Academic records
Teaching Records (Details of courses taught)	<i>Undergraduate: Mechanical Measurements and Metrology, CAD/CAM, etc.. Post Graduate (M. Tech): CIM, CBM, CCMS, etc..</i>

Research Guidance (Ph.D /; Students awarded & pursuing)

Degree	Awarded	Pursuing
Ph. D	--	--
M.Sc Engg./ M/Phil	04	--

Sponsored Research Projects (List of Projects taken up /completed and funds receiver & funding sources)

Project Title	Project Funded by	Grants Sanctioned	Grants Received
<i>Performance Monitoring of Composite Materials while Machining and Welding using Machine Vision System</i>	<i>AICTE, Govt Of India, New Delhi, F.NO. 9-40/IDC/MODROB/policy-1/2019-2020</i>	<i>16 Lakhs</i>	<i>16 Lakhs</i>

Research Publications in Refereed Journals and Conferences

No. of Publications in	National	International
Journals	<i>02</i>	<i>14</i>
Conferences	<i>02</i>	<i>18</i>

Other Important Responsibilities held in the College

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. Head of the department 2. Workshop Superintendent 3. BoS member | <ol style="list-style-type: none"> 4. BoE Chairman, 5. PESCE – NAAC Dept coordinator |
|--|--|

PUBLICATION DETAILS

International Journals:

Sl. No	Authors	Title of the publication Journal Name	Journal Name	Ref. Number	Month / Year of Publication
1.	Rudreshi Addamani, Gurupavan H R, H V Ravindra, Ugrasen G	Estimation and Comparison of Welding Performances in P- GMAW using MRA and ANN for SS 304L Material	IOP Publishing: Materials Science and Engineering	Vol. 376, PP. 1-7, 012119,	2018
2.	Rudreshi Addamani, H V Ravindra, Darshan C S	Optimization of P-GMAW welding parameters using Taguchi technique for SS304L Pipes	Springer International proceedings & Publishing	AG 2018, DOI 10.1007/978-3-319-53556-2_81.	2018
3.	Rudreshi Addamani, H V Ravindra, Darshan C S, Praveen kumar, Ugrasen	Estimation and Comparison of welding Performances using MRA and GMDH in P- GMAW for ASTM 106 material	Materials Today Proceedings	Vol. 5, 2018, pp. 2985–2993	2018
4.	Rudreshi Addamani, H V Ravindra, Ugrasen G	Estimation and Comparison of Welding Performances using MRA and GMDH in P- GMAW for SS 316L Material	Proceedings of the ASME - 2018, International Mechanical Engineering Congress & Exposition	IMECE-2018, at Pittsburgh, USA, November 9 th -15 th , 2018	2018
5.	Rudreshi Addamani, H V Ravindra, Girish A	Optimization of P-GMAW welding parameters using Taguchi technique for SS 316L material	International Journal of Scientific Research and Review	Volume 07, Issue 05, May 2019, UGC Journal No.: 64650, pp. 130-137	2019
6.	Rudreshi Addamani, H. V. Ravindra and Y. D. Chethan	Assessment of Weld Bead Mechanical Properties During	Springer Nature Singapore Pte Ltd. 2019	https://doi.org/10.1007/978-981-13-5802-9_25	2019

		Destructive Testing Using Image Processing by Multivision Technique			
7.	Rudreshi Addamani, H. V. Ravindra, Dr. Gayathri Devi S k	Evaluation of Weld Bead Mechanical Properties Using Image Processing during destructive testing by Multivision Technique	TEST Engineering and Management	ISSN:0193-4120, Page No.200 – 205, Volume: 83	July - August - 2020
8.	Rudreshi Addamani, H. V. Ravindra, Dr. Gayathri Devi S k	Estimation and Comparison of Welding Performances for ASTM A 106 Material in P-GMAW using GMDH and ANN	Journal Of Critical Reviews	ISSN:2394-5125, Vol:7, Issue14	2020
9.	Rudreshi Addamani , Gurupavan H R, Dr. Gayathri Devi S K, Mallikarjun Bhovi, Prathik Jain	Estimation and Comparison of Welding Performances in P-GMAW for SS 316 Material Using MRA and ANN	International Conference on Recent Trends in Mechanical Engineering International Journal of Scientific Research in Science, Engineering and Technology	ISSN: 2395-1990 Online ISSN : 2394-4099 (www.ijrsrset.com)	2022
10.	Ramesh Kurbet, Karthik Reddy G, Siddesh Kumar N M, Avinash M, Dr. Rudreshi Addamani,	A review on Friction Stir Welding over other welding Techniques of Aluminium Alloys	Solid State Technology	Volume 64, Issue:2, Publication year :2021	2021
11.	Ugrasen G, Rudreshi Addamani, H V Ravindra,	Estimation and comparison of Machining Performances	Proceedings of the ASME -2020, International Mechanical	Proceedings at Portland, OR, USA, November 16-19, 2020,	2020

	Prathik Jain Sudhir	using Group method data handling technique and ANN in Wire EDM of STAVAX Material	Engineering Congress & Exposition IMECE-2020	Virtual, Online	
12.	Gayathri devi S K, Shiva Shankar M, Nitesh Rai, Rudreshi Addamani	Evaluation of the Marginal Fit of Cobalt – Chrome Coping with Three Different Fabrication	Materials today Proceedings, Elsevier	First international conference on advances in Mechanical Engineering and materials sciences, ICAMEMS-2022	2022
13.	Gurupavan H R, Rudreshi Addamani , H.V. Ravindra, Devegowda T. M	Machine Vision System for Correlating Wire Electrode Status and Machined Surface in WEDM of AlSi ₃ N ₄ MMC'S	IOP Publishing: Materials Science and Engineering	Vol. 376, PP. 1-9, 012120	2018

National Journals:

Sl. No	Authors	Title of the publication Journal Name	Journal Name	Ref. Number	Month / Year of Publication
1	Rudreshi Addamani, H V Ravindra, Darshan C S	Optimization of P-GMAW parameters for ASTM A 106 pipes using Taguchi technique	International Journal of Engineering Research & Technology (IJERT)	ISSN: 2278- 0181, Published by: ESRSA Publications, IJERT Conference Proceeding, volume.4, ISSUE.31	2016
2	Rudreshi Addamani, H V Ravindra, Darshan C	Optimization of P-GMAW welding parameters using Taguchi technique for SS304 Pipes	International Journal of Engineering Sciences & Research Technology (IJESRT)	Value: 3.00, ISSN: 2277- 9655, CODEN: IJESS7	2017

International Conferences:

Sl. No	Title of the Conference	Date	Organizer	Venue
1	International Conference on Advances in Manufacturing, Materials & Energy Engineering, IConMMEE2018	02 nd & 03 rd March, 2018	Department of Mechanical Engineering,	Mangalore Institute of Technology & Engineering, MITE, Moodbidri - 574225, Karnataka
2	International Conference on Advances in Mechanical Engineering Sciences, ICAMES-2018	23 rd & 24 th August 2018	Department of Mechanical, Industrial Production & Automobile Engineering,	PES College of Engineering, Mandya - 571401, Karnataka, India
3	International Conference on Mechanical Engineering & Allied Sciences, ICMEAS-2018	14 th & 15 th September 2018	School of Mechanical Engineering	Shri Mata Vaishno Devi University, Katra, J&K, 182320
4	International conference on Resent Innovations in Science, Engineering & Management, RISEM-2019	10 & 11, May 2019	Department of Mechanical Engineering	RR institute of technology, Bangalore
5	International Mechanical Engineering Congress & Exposition, IMECE-2018	9 th -15 th , November 2018	ASME - 2018	International Mechanical Engineering Congress & Exposition IMECE-2018, at Pittsburgh, USA,
6	International Mechanical Engineering Congress & Exposition, IMECE-2019	8 th -14 th , November 2019	ASME - 2019	International Mechanical Engineering Congress & Exposition IMECE-2019, Salt Lake city, Utah, USA
7	International Conference on Ultrasonics and Materials Science for Advanced Technology, ICUMSAT-2019	16th -18th , November, 2019	Department of Physics	Veer Bahadur singh Purvanchal University, VBSPU, Jaunpur – 222003, UP, India
8	International Conference on Recent Trends in Electrical, Electronics and Computer Science Engineering, ICEESC-2020	10 th & 11th January, 2020	Department of Electrical, Electronics and Computer Science Engineering	Veer Bahadur singh Purvanchal University, VBSPU, Jaunpur – 222003, UP, India
9	Global Conference on Advanced Smart and Sustainable Technologies in Engineering, GCASSTE-2020	30 th & 31 st , January, 2020.	Department of Mechanical Engineering,	Mangalore Institute of Technology & Engineering, MITE, Moodbidri - 574225, Karnataka
10	International Conference on	28 th & 29 th	Department of	PES College of

	Advances in Mechanical Engineering Sciences, ICAMES-2K20	February, 2020	Mechanical, Industrial Production & Automobile Engineering,	Engineering, Mandya - 571401, Karnataka, India
11	Conference & Exhibition on Non – Destructive Evaluation, NDE - 2020	10 th – 12 th December, 2020	Indian society for Non – Destructive Testing	NDE – 2020 Held Virtually
12	International Conference on Recent Trends In Mechanical Engineering, ICRTIME2022	24 th & 25 th , February, 2022 (Virtual Conference)	Department of Mechanical Engineering	Government Engineering College, K R Pet – 571426, Mandya District, Karnataka, India

National Conferences:

Sl. No	Title of the Conference	Date	Organizer	Institute
1	Emerging Trends in Mechanical Engineering & Technology-2016, ETMET-2016	19 th -20 th August 2016	Department of Mechanical Engineering	Jyothy Institute Of Technology, Bangalore
2	National Conference on Advanced Material Design – (NCAMD-2016)	29 th -30 th July 2016	Department of Mechanical Engineering	BMS Institute of Technology, Bangalore.

FDP Attended

Sl. No	Title of the FDP	Duration	Date	Organizer
1	Processing and application of composite materials (PACM)	One week	30th September to 5 th October, 2019	Department of Industrial Production, PESCE, Mandya – 571401, TEQIP - III
2	Project proposal for different funding agencies	One day	21.09.2019	PES College of Engineering, Mandya – 571401, TEQIP - III
3	Recent developments in advanced composite materials, manufacturing and sustainability	Two Weeks	10 th to 22 nd January, 2020	PDA College of Engineering, Kalaburgi – 585102, AICTE
4	Electric Power Grid Modernisation: Trends, Challenges and Opportunities	One week	July 20-24, 2020	THE NATIONAL INSTITUTE OF ENGINEERING, Mysuru – 570 008, TEQIP-III

5				
6	Advancement in dynamic analysis of machine elements	One week	27 th to 29 th July, 2020	Department of Mechanical Engineering, VVCE, Mysuru
7	Simulations techniques for casting and other processes	One week	14 th to 16 th August, 2020	MS Ramaiah Institute of Technology, Bangalore – 560064
8	ACOUSTICS	One week	19 th to 26 th July and 2 nd August 2020.	Department of Mechanical Engineering, Basaveshwar Engineering College(autonomous), Bagalkot-587102
9	RECENT ADVANCES IN TRIBOLOGY AND SURFACE ENGINEERING:	One week	17th to 22nd August, 2020.	Department of Mechanical Engineering of Saintgits College of Engineering, Kottayam
10	Modeling and Simulation of Structural Mechanics and CFD Analysis using MATLAB and ANSYS	One week	24th -28th August 2020	Department of Mechanical Engineering, SJCE, Mysuru, in Association with Mentee Institution, MLV Textile & Engg. College, Bhilwara (RAJ)
11	Recent trends on metal corrosion in Indian industry	One day	05.09.2020	Dr. AIT , Bangalore - 560056
12	Recent advances in Tribology and Surface Engineering	One week	12th to 17th October, 2020.	SAINTGITS COLLEGE OF ENGINEERING (AUTONOMOUS) KOTTAYAM, KERALA
13	Drivers of Industry 4.0	One week	19th to 23rd October, 2020.	Department of Mechanical Engineering, Nitte Meenakshi Institute of Technology, Bangalore-64
14	Ancient Indian Education System	Two days	11th and 12th November, 2020	NITTTR, Kolkata
15	Integration of Renewable Energy and Big Data Analytics of Smart Grid	One week	16.11.2020 to 21.11.2020	PA College of Engineering & Technology, Pollachi, Coimbatore – 642002, AICTE (Phase III)
16	Advanced Power Electronic Converters for Electric Vehicle Powertrain and Smart-Grid”	One week	23.11.2020 to 28.11.2020.	QIS College of Engineering and Technology, Ongole - Andhra Pradesh, AICTE
17	Demystifying Blockchain Technology & Cyber Security Threats: Issues and Challenges”	One week	30-11-2020 to 05-12-2020	Department of Computer Science and Engineering, S.A. ENGINEERING COLLEGE, Poonamallee - Avadi Main Road, Thiruverkadu, Chennai - 600 077
18	Pedagogy for effective use of	One	7th to 12th	Dr. Ambedkar Institute of

	ICT in Engineering Education	week	December 2020.	Technology, Bangalore – 560056
19	“Environmental and Sustainable Chemical Engineering	Two weeks	10th December - 23rd December,2020	Department of Chemical Engineering, Pondicherry Engineering College, Puducherry, AICTE
20	Structural performance and damage prediction of Nanocomposite materials and aerospace applications	One week	14 th to 19 th December, 2020	Hindustan Institute of Technology and Science
21	Practical approaches for next generation sequencing technologies and data analysis towards health care	One week	21 – 25 December, 2020	Dept Of Bio – Tech, K S Rangaswamy college of Technology, Namakkal (Dt), Tamilanadau, AICTE
22	Introduction to hybrid and electric vehicle technology in automotive sector	One week	23.12.2021 to 30.12.2021	MCKV Institute of Engineering, Liluah, Howrah, West Bengal
23	Recent trends and challenges in power market with smart grid technology	One week	28.12.2020 to 02.01.2021	Dept of EC, Velagapudi Ramakrishna Sidhartha Engineering College, Vijayavada, AICTE
24	Design & Development of IoT Applications	One Week	4 th to 9 th January, 2021	East – West Institute of Technology, Bangalore, AICTE Phase II
25	World class smart manufacturing powered by intelligence and machine learning, Industry – 4.0	One week	18 th to 23 rd January, 2021	Mahendra college Engineering and Technology, Mahendrapuri, Mallasamudram, Namakkal - 637503
26	Behavioural remodelling for enhancing classroom delivery of Teachers	One week	8 th to 13 th February, 2021	Dept of Electrical & Electronics, Dr. AIT, Bangalore -
27	Bio analytical Techniques	One week	19 th to 25 th March, 2021	Kumarguru college of Technology, Coimbatore, AICTE
28	Ergonomics Applications for Higher Productivity	One week	24 th to 26 th March, 2021	Department of IP, PDA College of Engineering, Kalaburagi – 585102, TEQIP - III
29	Be the change “TEACHING LEARNING PROCESS	One week	5 th to 10 th April, 2021	B S Abdul Rehman Crescent Institute of Science & Technology, Chennai, TN
30	Electric vehicles	One week	17 th to 22 May, 2021	Lakshmi Narain college of Technology, Bhopal, Madhya pradesh
31	Sustainable Product Design and	One	21st to 27th ,	Shri Mata Vaishno Devi

	Manufacturing	week	May, 2021	University, School of Mechanical Engineering, Phase III
32	Business Intelligence	One week	10th to 15th June 2021	Department of Computer Science and Engineering, Textile and Engineering Institute, Ichalkaranji, AICTE, Phase II
33	Diagnostic Maintenance of Mechanical Systems	One week	08/11/2021 to 12/11/2021	P. E. S. College of Engineering

FDP Conducted

Sl. No	Title of the FDP	Duration	Date	Organizer
1	Acoustic Emission & Its Applications	Five days	30th July to 03rd August, 2015	PESCE, Mandya – 571401, Under TEQIP

PATENT (Ph.D.)

1. Indian Patent “Extraction of Energy through Magnetic Bearings” Application No.202241000664, Published 21/01/2022
2. Indian Design Grant Patent “Virtual Fault Detector” Application No.362874-001 Cbr No. 20/04/2022 20:27:03, Patent Granted.