

Prof. Pappula LAXMINARAYANA

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Career Summary

Well trained Mechanical Engineering teaching professional with over 25 years of teaching and research experience.... Hands on experience in production engineering; member of professional bodies... rich experience in administration, community service and corporate activities.... Proactive with sound organizing and decision making skills... good team player with eye for detail and interpersonal skills

Career Objective

To emerge as a thought leader in academics, research and training and lead the organization with dedication for innovation and share my experiences to provide the best development plans for the overall development of the organization

Employment Record

Organization	Designation	Period		
		From	To	Years
Osmania University	Professor	2005	Till date	11
Osmania University	Associate Professor	1997	2005	8
Osmania University	Lecturer	1991	1997	6

Industrial Experience

Organization	Designation	Period	
		From	To
District Industries Centre, Warangal, Govt. of A.P.	Technical Assistant	1990	1991

Academic Record

Degree	Institute/University	Specialization	Year of Pass
Ph.D.	Osmania University	Mechanical Engineering	2003
M.E.	Osmania University	Production Engineering	1995
B.E.	Osmania University	Mechanical Engineering	1989
Intermediate	Govt. Jr College (Dist): Jangaon	Mathematics Physics Chemistry	1983
High School	ZPHS, (Dist): Jangaon	Composite Mathematics	1981
Upper Primary School	UPS. Kallem Lingala Ghanpur Dist: Jangaon	5 th to 7 th Class	1978
Primary School	PS Siripuram (M):Lingala Ghanpur (Dist): Jangaon	1 st to 4 th Class	1975

Courses Taught / Developed

<u>Course</u>	<u>Level</u>
Engineering Research Methodology	PG
Metal Cutting and Machine Tool Design	PG
Product Design and Processes Planning	PG
Flexible Manufacturing Systems	PG
Experimental Techniques & Data Analysis	PG
Machine Tool Design	PG
Machine Tool Engineering & Design	UG
Unconventional Methods of Machining & forming	UG
Industrial Administration	UG
Mechanical Technology (Electrical)	UG
Mechanical Technology (Civil)	UG
Engineering Graphics	UG
Mechanical Engineering (Chemical/F.T/T.T)	UG

Accomplishments as Administrator (1995 to till date)

Academics:

1. Introduced Alumni scholarships to the poor and rural background students in the university by the Alumni of OU.
2. Introduced fixed academic calendar, enforced fixed schedule for examinations, valuation, publication of results and issue of certificates at UCT, OU.
3. Introduced New PG course in Mechanical Engineering Department with collaboration of CITD
4. Revised Syllabus in Mechanical Engineering for UG & PG in OU, JNTU, CBIT, and CMR College of Engineering.
5. Delivered Guest Lecturers at IPE, Githam University and Osmania University.
6. Introduced Kinnera Hostel Reminiscences for the final year Hostel Boarders, Osmania University.
7. Introduced Technology Reminiscences for the final year Hostel Boarders, Osmania University.

Research:

1. Developed a Dr. Aziz Jamaluddin Computer Centre for the research scholars of Arts and Social science students in the Arts College with help of Dr. Aziz Jamaluddin, Alumni of 1966 batch OU (settled in USA)
2. Workshop on Engineering Research Methodology by TEQIP to promote research activities
3. Two day National Conference on Recent Advances in Mechanical Engineering by TEQIP to promote research activities
4. Two day Workshop on Geometric Modelling & Analysis Software for the benefit of the students.
5. One day workshop on Training on CNC Machining - Tool and Techniques by TEQIP-II for the benefit of the Non- teaching staff.
6. One day workshop on Industry – Institute and Defence Labs Interaction by DRDO & TEQIP-II to promote research activities
7. Two day National Conference on Emerging Trends in Mechanical Engineering by TEQIP to promote research activities
8. Motivated and guided the Mechanical Engineering Graduate Students to participate in the Society of Automobile Engineering (SAE) BAJA Competition organized at Madhya Pradesh, India, won Best Design prize in the year 2012.

Administration:

1. Introduced the Hostel maintenance committees by Boarder in the Engineering College Hostels & Messes for maintain the cleanliness in Hostels & reducing the wastage of food in the Messes and maintained the hygienic conditions in the Hostels.
2. Identity Cards issued to all staff and students to ensure security in the hostel.
3. Introduced the anti ragging Squads in the Engineering College Hostels.
4. Introduced internet facilities to all the Hostels.
5. Facilities for students to lodge complaints through SMS and E-mail introduced.
6. Action initiated to recover funds from defaulters.
7. Introduced the Vice-Principal Hostels & Messes in place of Additional Chief Warden, Hostels & Messes in the University Colleges for smooth functioning of Hostels as convener of the Committee.

Infrastructure Development:

1. Steps initiated and took the Drinking water connection to the Mechanical Engineering Department and also entire Engineering College & Hostels, OU with water storage and pumping facilities.
2. Steps initiated to construct First Floor on Mechanical Engineering Department, University College of Engineering.
3. Steps initiated to construct New Girls Hostel for Engineering and Technology students in the University campus with good facilities.
4. Greening and Landscaping work developed and executed at University College of Technology, Osmania University.
5. Steps initiated to construct a New Dining Hall for the ECH-I, University College of Engineering, Osmania University.
6. Carried out renovation work of Engineering Students Hostels, University College of Engineering, Osmania University and also provided internet facilities to the entire hostel.
7. Steps initiated and executed to construct boundary wall between the Hostel and Department and also carried out renovation work of Mechanical Engineering Department Labs.
8. Steps initiated and executed the Greening and Landscaping work at the Mechanical Engineering Department, Osmania University.

Community Services:

1. Blood donation camps were organized in the University.
2. As part of the Green Campus initiative, participated and motivated the students for active participation of plantation of trees in the OU Campus.
3. As part of the clean Campus initiative, participated and motivated the students for active participation of cleaning the OU near Basthies.
4. Regular visits to the Schools and interacted and motivated the school student to reduce the pollution in the cities.
5. Workshops are conducted to the school students to create awareness to avoid the plastic usage.
6. Orientation and counseling Programme, in order to minimize failure rates and to promote employability among Engineering students.
7. Interactive meetings to students, in order to minimize fear rate and to improve the confident levels.
8. Arranged the tri-wheeler motor bike to the physically challenged students of OU from the Rajiv Gandhi Foundation, New Delhi.
9. Involved to motivate and mentor the Engineering & Technology students to support the victims during the national calamity happened in the country.

Research Supervision:

1.	Ph.D	: 04
2.	M.E.	: 50
3.	B.E.	: 36
4.	Students presently working for Ph.D	: 08
5.	Students presently working for M.E. / M.Tech.	: 10
6.	Students presently working for B.E. / B.Tech.	: 08

Membership in Scientific & Professional Societies:

1.	TMS(USA):	Member No	: 432728
2.	ISTE	: Life Member No	: LM 16084
3.	ISME	: Life Member No	: L 427
4.	IEI	: Fellow Member	: F-117840-3
5.	IACIS	: Life Member No	: 10115
6.	OGA	: Life Member No	: L 37
7.	OUAA	: Life Member	
8.	OUCE	: Life Member	

Corporate Contribution

- ◆ **Dean**, Faculty of Engineering, Osmania University, Hyderabad (2017 to present)
- ◆ **Dean**, Students Affairs, Osmania University, Hyderabad (2015 to present)
- ◆ **Member**, **Telangana State Council for Higher Education**, Govt. of T.S. (2014 to present)
- ◆ **Special Officer**, Alumni Association of Osmania University, OU. (2010 to present)
- ◆ **Governing body Executive Member**, OUAA, Osmania University (2009 to till date)
- ◆ **Member**, **NSS adviser committee**, Osmania University. (2012 to Present)
- ◆ **Chairman**, Boards of studies in Mechanical Engineering, Osmania University (2014 to 2016)
- ◆ **Head**, Department of Mech. Engg., Univ. College of Engineering, O.U. (2011 to 2013)
- ◆ **Vice-Principal**, University College of Technology, Osmania University (2009-2010)
- ◆ **Member**, Conducting Entrance examination for **ECET (FDH) - 2015**
- ◆ **Member**, JNTU Hyderabad Purchase Committee, Osmania University (2012 to present)
- ◆ **Member**, JNTU Hyderabad Board of Studies, Osmania University (2012 to present)
- ◆ **Member**, Assessment of **DRDO, India** employs as a External Expert (2014)
- ◆ **Member**, Anti Ragging Committee, Univ. College of Engineering, O.U. (2003-2007)
- ◆ **Member**, Committee to Look in to the Backlog Vacancies for Teaching and Non-teaching Posts under SCs/STs Category, Osmania University (2004-2005).
- ◆ **Head**, Department of Mechanical & Electrical Engineering, UCT, O.U. (2003-2010)
- ◆ **Additional Chief Warden**, Engineering College Hostel & Messes , O.U. (2002-2007)
- ◆ **Mess Warden**, Engineering College Hostel, Osmania University (1995-2002)
- ◆ **Coordinator**, **Janmabhoomi**, University College of Engineering, O.U. (1996-1997)
- ◆ **NSS Programme Officer**, University College of Engineering (A), O.U. (1996-1997)
- ◆ **Convener**, ME/M. Tech. (Mech.) Admissions, Univ. College of Engg. O.U. (1995-1996)
- ◆ **Member**, Maintenance Committee, University College of Engineering (A), O.U.(1995- 1997)
- ◆ **Member**, Mechanical Engineering Departmental Committee, OU. (1993-1997)
- ◆ **Member**, Confidential Team **EAMCET - 1996**
- ◆ **Member**, Confidential Team **ECET (FDH) - 1992 & 1993**
- ◆ **Member**, Admissions of **ECET (FDH) - 1992 & 93**

Refresher Courses / Training Programmes Attended

(A) International:

S. No	Course Name	Duration	Year	Organizer/s
1	New and Innovative Methods of Manufacturing	2 weeks	2009	Dept. of Mechanical Engineering University of Washington Seattle, WA-98195, USA

(B) National:

S. No	Course Name	Duration	Year	Organizer/s
1	Advances in Manufacturing & Quality Assurance	2 weeks	1994	(ISTE) I.I.T. Madras
2	Total Quality Management	2 weeks	1995	(ISTE) R.E.C. Warangal
3	Numerical Methods & Computer Applications in Engineering & Science	2 weeks	1996	(ISTE) C.B.I.T. Hyderabad
4	Orientation / Refresher Training Programme for NSS Programme Officers	2 weeks	1996	Training and Orientation Centre, O.U. Hyderabad
5	Solar Energy Engineering and Instrumentation	2 weeks	1997	I.I.Sc. Bangalore
6	Induction Training Programme - I (In Unix & 'C' Programming)	4 weeks	1998	Academic Staff College Osmania University, Hyderabad
7	Advanced Manufacturing Technology	2 weeks	1998	I.I.T. Delhi, New Delhi
8	Neurofuzzy and Expert System Applications	2 weeks	2000	AICTE /ISTE, U.C.E., Osmania University, Hyderabad
9	Energy and Human Resource Management	3 weeks	2002-03	I.P.E., O.U. Campus, Hyderabad.
10	Nanotechnology and its Applications	2 weeks	2004	College of Engineering JNTU, Hyderabad
11	Internal Revenue Generation and Utilization in Engineering Institutions	1 week	2008	National Institute of Technical Teachers Training & Research Chennai

Seminars, Conferences and Workshops Organized

S. No	Course Name	Duration	Year	Organizer/s
1	Workshop on Engineering Research Methodology	3 days	2012	Dept. of Mechanical Engineering Univ. College of Engineering Osmania University, Hyderabad
2	National Conference on Recent Advances in Mechanical Engineering.	2 days	2012	Dept. of Mechanical Engineering Univ. College of Engineering Osmania University, Hyderabad
3	Workshop on Geometric Modelling & Analysis Software.	2 days	2012	Dept. of Mechanical Engineering Univ. College of Engineering Osmania University, Hyderabad
4	One day workshop on Training on CNC Machining - Tool and techniques	One day	2013	Dept. of Mechanical Engineering Univ. College of Engineering Osmania University, Hyderabad

Seminars, Conferences and Workshops Attended

(A) International:

S. No.	Course Name	Year	Organizer/s
1	TMS 132 nd Annual Meeting Symposium on Surface Engineering in Materials Science – II	2003	TMS, San Diego Conventional Centre, San Diego, California, USA
2	International Congress on Renewable Energy (ICORE)- 2006	2006	SESI, Hyderabad International Conventional Centre, Hyderabad, India
3	Materials Science & Technology (MS&T'06) International Conference & Exhibition	2006	Duke Energy Center (Formerly Cinergy Center), Cincinnati, Ohio, USA.
4	Materials Science & Technology (MS&T'07) International Conference & Exhibition	2007	COBO Center, Detroit, Michigan, USA.
5	Society for the Advancement of Material and Process Engineering (SAMPE)-2010 Conference.	2010	Washington State Convention Center, Seattle, WA, USA

B) National:

S. No.	Course Name	Year	Organizer/s
1	A "Production drawing practice"	1993	(ISTE) Dept. of Mech. Engg., O.U.
2	A Seminar on "Energy Conservation"	1993	(N.P.C.) Dept. of Mech. Engg., O.U.
3	National Seminar on "New Energy Technologies & Clean Environment"	1993	(DST, CSIR, BHEL, A.P. State Council) Dept. of Mech. Engg., O.U.
4	National workshop on "Industrial Pollution & Control"	1994	(AICTE) Dept. of Mech. Engg., O.U. (BHEL, National Society for FMFP)
5	21st National Conference of "Fluid Mechanics & Fluid Power"	1994	Dept. of Mech. Engg., O.U. (AICTE) Dept. of Mech. Engg., O.U.
6	National Seminar on "Power Plant Fly Ash Utilisation & Waste Heat Recovery systems"	1995	College of Engineering, O.U.
7	One day workshop on "Entrepreneurship"	1996	Nizam College & College of Technology, Osmania University
	XI National Conference of Sports Psychology	1998	
8	National Conference on "World Class Manufacturing Systems – 2000"	2000	Bundelkhand Institute of Engineering & Technology, Jhansi (U.P.)
9	19 th All India Manufacturing Technology, Design and Research Conference (AIMTDR)	2000	I.I.T. Madras, Chennai
10	Design and Analysis of experiments	2001	Univ. College Technology, O.U., Hyd.
11	Symposium on Manufacturing Excellence (SYMAX)	2002	I.I.T. Madras, Chennai
12	20 th All India Manufacturing Technology, Design and Research Conference (AIMTDR)	2002	B.I.T., Mesra, Ranchi, Jharkhand
13	National Conference on Advanced Materials and Manufacturing Techniques(AMMT- 2004)	2004	College Engineering, JNTU, Hyderabad
14	National Conference on Computational Methods in Mechanical Engineering (COMPUTIME)	2004	University College of Engineering (A) Osmania University, Hyderabad
15	Workshop on Advances in Computational Structural Mechanics and fluid flows (COSMECFLOWS)	2005	University College of Engineering (A) Osmania University, Hyderabad
16	Two day Workshop on "NBA Accreditation Process and Parameters"	2011	Kalinga Institute of Industrial Technology
17	One day Workshop on "Outcome Based Accreditation Process and Parameters"	2012	KIIT University, Bhubaneswar, Orissa, University College of Engineering (A)
18	Programme on Managing Excellence in Academic Institutions for Heads of Institution/ Department of TEQIP Institutions	2013	Osmania University, Hyderabad Administrative Staff College of India, Bella Vista, Hyderabad
19	TEQIP Conclave on "Enhancing Quality of Technical Education and Research"	2014	Dept. of Mechanical Engineering IIT Hyderabad, Telangana State

Papers Published: 73

International: 44

1. "A signal processing approach for the analysis of mechanism of surface generation in EDM", International Conference on Computational Nano Science (ICCN), March 19-21, 2001, Hilton Oceanfront Resort, Hilton Head Island, South Carolina, USA.
2. "Machinability studies of PM metal matrix composites on EDM", Second International Symposium on Ultrafine Grained Materials (2002 TMS Annual meeting), February 17-21, 2002, Washington State Convention & Trade Center Seattle, Washington, USA
3. "A Hybrid Parameter for the Characterization and Specification of Surface Texture", The 132nd The Minerals, Metals & Materials Society (TMS) Annual Meeting & Symposium, March 2-6, 2003, San Diego Convention Center, San Diego, California USA.
4. "Morphology of Resultant Surfaces from Electro discharge machining and Electro discharge Sawing", The 133rd The Minerals, Metals & Materials Society (TMS) Annual Meeting & Symposium, March 12-17, 2004, Charlotte Convention Center, Charlotte, North Carolina, USA.
5. "Studies on Flash – Pyrolysis of Rice Husk", The International Congress on Renewable Energy (ICORE), February 9-11, 2006, Hyderabad International Convention Center, Hyderabad, India.
6. "Integrity of Spark Eroded Surfaces", The 135th The Minerals, Metals & Materials Society (TMS-2006) Annual Meeting & Symposium, March 12-16, 2004, Henry B. Gonzalez Convention Center, San Antonio, Texas, USA.
7. "Microhole Machining by a Modified Electro Discharge Machine", Materials Science & Technology – 2006 (MS & T'06) Conference & Exhibition, October 15-19, 2006, Duke Energy Center (Formerly Cinergy Center), Cincinnati, Ohio, USA
8. "Integrated Machining and Surface Modification of Steel Components" Materials Science & Technology-2007 (MS&T'07) Conference & Exhibition, September 16-20, 2007, COBO Center, Detroit, Michigan, USA
9. "Inconsistent Results in EDM and the Associated Noise Factors", International Conference on Advances in Mechanical Engineering (ICAME – 2007), October 24-26, 2007, Department of Mechanical Engineering, MIT, Manipal, Karnataka, India
10. "EDM and AWJ Edge Finishing on Surface Morphology of Hybrid Composite Laminates", TMS 2010 Annual Meeting & Exhibition, February 14-18, 2010, Washington State Convention Center, Seattle, WA, USA
11. "Rotary Ultrasonic Drilling of Al₂O₃ Ceramic Material", TMS 2010 Annual Meeting & Exhibition, February 14-18, 2010, Washington State Convention Center, Seattle, WA, USA
12. "Effect of Die Sinker EDM and AWJ Machining Processes on Flexural Properties of Hybrid Titanium Laminates", The Society for the Advancement of Material and Process Engineering (SAMPE)-2010 Conference, 17- 20 May, 2010, Washington State Convention Center, Seattle, WA, USA

13. "Some anomalies in the experimental results of EDM", International Journal of Manufacturing Technology and Management, Vol. 24, Nos. 1/2/3/4, 2011, pp57-70
14. "An Investigation for the Significant Parameters in TIG Welding of Al-65032 alloy Using ANOVA", International Conference on Mechanical and Industrial Engineering(ICMIE), August 4th 2012, RELC International Hotel, 30 Orange Grove Road, SINGAPORE
15. "AWJ cutting and EDM edge finishing on surface morphology of fiber metal composite laminates", 21st International Conference on Water Jetting, 19-21, September 2012, Ottawa, CANADA
16. "Friction stir welding: A green environmental process", 5th International Congress of Environmental Research (ICER-12), November 22-24, 2012, University Malaysia Terengganu, Kuala Terengganu, Malaysia
17. "Some Studies on Relative Characteristics of Straight and Reverse Polarities in the Fleet of EDM", Proc. Of 2nd International Conference on Advancements in Engineering & Management (ICAEM-2013), ISBN 978-93-5104-586-I, Feb. 27-28, 2013 RITS, RR Dist. Hyderabad, India
18. "Inconsistent Nature of Machining Characteristics of EDM", Proc. of the 4th International Conference on Advancements in Polymeric Materials (APM-2013), ISBN 978-81-8424-4. March 1-3, 2013 at COPET, Lucknow, U.P, India
19. "Integrity of EDMed job surfaces", International Journal of Advances in Management, Technology & Engineering Sciences, Vol. II issue 7(I) April 2013 pp 15-19
20. "A Study on Influence of Polarity on the Machining Characteristics of Sinker EDM", International Journal of Advanced Research in Engineering and Technology (IJARET), ISSN 0976-6480, Vol.4, Issue 3, April 2013,pp158-162.
21. "Buckling Analysis of Straight Helical Compression Springs Made of ASTM A229 Gr-II, ASTM A313 Materials (Type 304 & 316)", International Journal of Engineering Research and Technology (IJERT), ISSN: 2278-0181, Vol. 2 Issue 6, June-2013, pp 978-986.
22. Optimization of Process Parameters for Milling Using Taguchi Methods", International Journal of Advanced Trends in Computer Science and Engineering, Vol.2, No.6, (2013) pp 129-135.
23. "Cutting Characteristics of Titanium Graphite **Composite by Wire Electrical Discharge Machining**", International Journal of Advanced Materials Research, Vol. 630 (2013) pp 114-120.
24. "Experimental Study of sand mold process parameters on Al-Alloy sand castings using DOE", ISOR Journal of Mechanical and Civil Engineering (ISOR-JMCE) e-ISSN: 2278-1684,p-ISSN:2320-334X,volume 11,issue 6 Ver.VI(Nov-Dec.2014),PP 01-06.
25. "Integrity of EDM Resultant Surfaces", International Conference on Advances in Design & Manufacturing, December 5-7, **2014**, Department of Mechanical & Production Engineering, National Institute of Technology, Tiruchirappalli, India.
26. "Effect of Burnishing Process on Machined Surfaces Generated by Electrical Discharge Machining on SS316", International Conference on Advances in Design & Manufacturing,

December 5-7, **2014**, Department of Mechanical & Production Engineering, NIT, Tiruchirappalli, India.

27. "Comparison of PVD Coated and Uncoated carbide Tools while dry machining of Aluminium Alloy-6063", 5th International Conference & 26th AIMTDR Conference, December 12-14, **2014**, Department of Mechanical Engineering, Indian Institute of Technology Guwahati, India.
28. "Friction Surfacing Process of Aluminum Alloys", 5th International Conference & 26th AIMTDR Conference, December 12-14, **2014**, Department of Mechanical Engineering, Indian Institute of Technology Guwahati, India.
29. "Surface Integrity of Ball Burnishing Process on Machined Surface of SS316 Generated After EDM" Proceeding of the International Conference on Newest Drifts in Mechanical Engineering (ICNDME-2014), organized by Department of Mechanical Engineering ,M. M. University, Mullana, Haryana,India, during 20-21 December, 2014 ISBN 978-93-8191-031-3.
30. "Design Optimization of helical springs to avoid buckling", International Conference on Mechatronics and Mechanical Design (ICMMD-2014), December 26-28, **2014**, Hong Kong, China.
31. "A Practical approach to eliminate defects in gravity die cast Al-Alloy casting using simulation software" International Journal of research in engineering and technology eISSN: 2319-1163, pISSN: 2321-7308, volume: 04 issue: 01, Jan**2015**.-
32. "Solidification simulation of Aluminum Alloy casting – A theoretical and Experimental Approach International journal of modern engineering research (IJMER),ISSN:2249-6645,Vol.5,Iss.2,Feb-**2015**-1
33. "Modern Electro Discharge Machining (EDM) Processes for Diverse Applications", Proc. of International Conference on Advancements in Production and Industrial Engineering (INCAPIE-2015) February20-21 **2015**, NIT Tiruchirappalli.
34. "Design and Analysis of Welded Joints of Pressure Vessel" International journal of Engineering & Science Research (IJESR/May 2015/Vol-5/Issue-5/341-346), ISSN: 2277-2685.
35. "Micro Finishing on EDM Surfaces of AISI-316 by Using Burnishing Process", ASME 2015 Applied Mechanics and Materials Conference (McMAT 2015) during June 29 - July 1, **2015** at the Motif Hotel near Seattle Downtown Waterfront, Seattle, Washington, USA.
36. "Study of Micro machining of AISI 316 Die Sinker EDM using Taguchi Approach", International Conference on Materials Science & Technology, 1-4, March, 2016, the VBRI Press in 2016, ICMTECH, DOI: 10.5185/icmtech.2016.
37. Mechanical Behavior of Silicon Carbide Reinforced Friction Stir Welded Joint of Aluminium Alloy 6061, International journal of Engineering & Technology (IJERT) May 2016/Vol-5/Issue-5, ISSN: 2278-0181, pp429-434.
38. "The Effect of SiC Particle Addition as Reinforcement in the Weld Zone during Friction Stir Welding of Magnesium Alloy AZ31B", IRA-International Journal of Technology & Engineering, ISSN: 2455-4480, Vol.03, Issue-3 pp154-159.

39. “Die Sinker Electric Discharge Machining In Mirco Machining Applications” Advances in Refractory and Reactive Metals and Alloys (ARRMA-2016), during 27–29 January 2016, Mumbai, India Materials today-Elsevier Journal.
40. “Study of surface morphology on micro machined surfaces of AISI 316 by Die Sinker EDM” 5th International Conference on Materials Processing and Characterization (ICMPC 2016), during 12-13, March 2016, Materials, today-Elsevier Journal.
41. “Optimization of Electrode Tool Wear in micro holes machining by Die Sinker EDM using Taguchi Approach”, International Conference on Processing of Materials, Minerals and Energy (July 29th – 30th) 2016, Ongole, Andhra Pradesh, India, .Materials today-Elsevier Journal
42. “Study of Microstructural Characteristics and Mechanical Properties of Friction Stir Welded Three Titanium Alloys”, International Conference on Processing of Materials, Minerals and Energy (July 29th – 30th) 2016, Ongole, Andhra Pradesh, India, .Materials today-Elsevier Journal.
43. "*Study of Volume Deficit in Aluminium Alloy Casting*", Liquid Metal Processing and Casting Conference (LMPC 2017) organized by TMS (The Minerals, Metals & Materials Society), during September 10–13, 2017 in Philadelphia, Pennsylvania, USA (**Accepted**).
44. “Tensile Behavior and Microstructural Characteristics of Friction Stir Welded Butt joints of Titanium Alloys”, International Conference of Materials Science & Technology 2017 on Light Metals Alliance: Light Metals Technology 2017, during October 8-12, 2017 at David L. Lawrence Convention Center Pittsburgh, Pennsylvania USA (**Accepted**).

National: 29

1. “Integrated Manufacturing: Some Directions”, National seminar on Role of Information Technology in Mechanical Engineering-Fifteenth National Convention of Mechanical Engineers, December 16-18, 1999, IE (India), AP centre, Hyderabad.
2. “The Effects of Grain Size and Composition on the Machinability of Al - Alloy - SiC Composite in EDM”, National Conference on World Class Manufacturing Systems -2000 (W.C.M.S. - 2000), August 18-19, 2000, B.I.E.T., Jhansi (U.P).
3. “Relative Analysis of Form Error of Holes Produced by Travelling Wire and Sinking Electrode types of EDM”, 19th AIMTDR Conference, December 14-16, 2000, IIT, Madras, Chennai.
4. “Mechanism of surface generation in EDM”, Symposium on Manufacturing Excellence (SYMAX), January 7-8, 2002, IIT Madras, Chennai.
5. “The Effects of Process Variables on the Dimensional Variation of intermediate Spacer Castings Used in the Cement Mills – A Case Study”, Indian Foundry Journal, Vol. 48, No. 3/March, 2002, pp 21- 24.
6. “Effect of Material Properties on the machining Characteristics in EDM”, 20th AIMTDR Conference, December 13-15, 2002, Department of Production Engineering, Birla Institute of Technology, Mesra, Ranchi, Jharkhand.

7. "Analysis of Characteristics Features of EDM Surfaces", 20th AIMTDR Conference, December 13-15, 2002, Department of Production Engineering, Birla Institute of Technology, Mesra, Ranchi, Jharkhand.
8. "Analysis of Dielectric Breakdown and Spark Erosion", National Conference on FTME(R&D), December 13-14, 2002, Department of Mechanical Engineering, Bharath Institute of Science and Technology', 173, Agaram road, Chennai.
9. "Theory of Sparking and Associated Erosive Effect in Electro Discharge Machining", National Conference on Advances in Manufacturing Technology (AMT-2003), February 15-16, 2003, Department of Mechanical Engineering, NSS College of Engineering, Palakkad, Kerala.
10. "Integrity of Resultant Surfaces from Electro Discharge Machining", National Conference on Advances in Manufacturing Systems (AMS-2003), March 28-29, 2003, Department of Production Engineering, Jadavpur University, Kolkata.
11. "The effect of Pulse Parameters on the Surface Finish of Spark Eroded Surfaces", National Conference on Reliability and Quality Engineering in Aerospace Technologies, November 28-29, 2003, Aeronautical Development Agency (ADA), Ministry of Defence, Govt. of India, Bangalore.
12. "Nonlinear Finite Element Modeling of Machining Process to Minimize Distortion in Forged Turbine Disk, 2nd National Conference on Computer Integrated Design and Manufacturing, November 28-29, 2003, Department of Production Engineering, Amrita Institute of Technology, Coimbatore.
13. "Design of Top Risers using Parabolic Metal Flow Concept during Solidification", National Conference on Advanced Materials and Manufacturing Techniques (AMMT-2004), March 8-9, 2004, JNTU College of Engineering, Hyderabad and Central Institute of Tool Design, Hyderabad.
14. "Processing of Ceramics and Metal Matrix Composites with Electro Discharge Machine", National Conference on Advances in Chemical Engineering (Under TEQIP), November 22-24, 2007, University College of Technology, Osmania University, Hyderabad.
15. "Development of Computer Based Low Cost Turn Table for the Measurement of Radiation Patterns of Microstrip Antennas", Journal of the Instrumentation Society of India, Vol.38, No. 4, December, 2008, pp 259- 264.
16. "Some Anomalies in the Experimental Results in EDM", 3rd International and 24th AIMTDR Conference, December 13-15, 2010, Department of Mechanical Engineering, Andhra University, Visakhapatnam-530 003.
17. "An Algorithm for Structural Comparison of Kinematic Structures", National Conference on Recent advances in Mechanical Engineering, March 16-17, 2012, Department of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad.
18. "A Computer Based Methodology for Structural Comparison of In-Parallel Robotic Manipulators", National Conference on Recent advances in Mechanical Engineering, March 16-17, 2012, Department of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad.

19. "Surface Modification of Metallic Materials by Laser Shock Peening", National Conference on Recent advances in Mechanical Engineering, March 16-17, 2012, Department of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad.
20. "Some Gray Areas in the Knowledge Base of EDM" National Conference on Recent advances in Mechanical Engineering, March 16-17, 2012, Department of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad.
21. "Surface Generation Mechanism in EDM", National Conference on Recent advances in Mechanical Engineering, March 16-17, 2012, Department of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad.
22. "Optimising the Control Parameters in Electrical Discharge Machining", National Conference on Recent advances in Mechanical Engineering, March 16-17, 2012, Department of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad.
23. "Thermal Design and Analysis of MMIC Power Amplifier" National Conference on Recent advances in Mechanical Engineering, March 16-17, 2012, Department of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad.
24. "Effect of Hot Isostatic Pressing on Densification, Phase, Microstructure and Optical Properties of SPS Consolidated and CVD deposited Zinc Sulphide Ceramics" National Conference on Green Manufacturing in Glass and Ceramics, (GTGC 2013), 18-19 Jan, 2013, Indian Ceramic Society, CSIR and Industries Commissionerate, Ahmadabad, Gujarat, India.
25. "Experimental and Characterisation of Aluminum Over Mild Steel by Friction Surface Processing" National Conference on Frontiers in Mechanical Engineering(FIME-2013), August 9-31, 2013, Department of Mechanical Engineering, Maulana Azad National Institute of Technology, Bhopal, India.
26. "Experimental Investigation of Relaxation In Helical Compression Spring Under Fluctuating Load", Proc. of National Conference on Emerging Trends in Mechanical Engineering (ETIME-2014), December 29-30, 2014, Department of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad, Telangana State, India.
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28. "Design methodology and Analysis of Solid Rocket Motor case", Proc. of National Conference on Emerging Trends in Mechanical Engineering (ETIME-2014), December 29-30, 2014, Department of Mechanical Engineering, University College of Engineering, Osmania University, Hyderabad, Telangana State, India.
29. "Analysis of Process Parameters on the Surface Roughness of EDM Surfaces", Proc. of National Conference on Emerging Trends in Mechanical Engineering (ETIME-2014) December 29-30, 2014, MED, OU, Hyderabad, Telangana State, India

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