FACULTY DETAILS:

PhD.: -Pursuing PhD in the area of Sheet Metal Forming, JNTUH

M.Tech: - Advanced Manufacturing Systems (AMS), JNTUH, 2009.

B.Tech: - Mechanical Engineering, SNIST, 2002.

Teaching Experience: - 17 Years

Industrial Experience: - 02 Years

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MJCET Employee ID: - 269

Areas of Interest: - Material Characterisation & Processing, Metal Forming Technology and Advances in Manufacturing**.**

Mr. V. Dharam Singh
Assistant Professor
Mechanical Engineering Department

PUBLICATIONS:

INTERNATIONAL JOURNALS:

1. Dharam Singh V et al, Study of Coefficient of Friction and Springback Analysis of Brass in Bending at Elevated Temperature Conditions, Indian Journal of Engineering & Materials Sciences (2022)
2. Dharam Singh V et al, Deformation Behavior and Formability analysis of Thin Brass Sheet: Experiments and Modeling, Australian Journal of Mechanical Engineering (2021).
3. Dharam Singh V et al, Analysis of material properties and strain hardening behaviour of brass at different temperature and quasi-static strain rate conditions. Advanced Materials and Process Technologies (2021) 1–10. ttps://doi.org/10.1080/2374068X.2021.1945279.
4. Dharam Singh V et al, Microstructure Analysis and Evaluation of Mechanical Properties of Nickel Based Super Alloy CCA617, in Elsevier, Volume 2, Issues 4–5, 2015, Pages 1260–1269, doi:10.1016/j.matpr.2015.07.041.

INTERNATIONAL CONFERENCES:

1. V Dharam Singh[1] M Manzoor Hussain[2], Experimental Investigation and Optimization of Coefficient of Friction of Brass Sheet Metal using Taguchi Technique, AIP Conference Proceeding (2022)
2. V Dharam Singh[1] M Manzoor Hussain[2], 'A comparison of formability on brass alloy at room

and 773 K temperature, Materials Today: Proceeding, Elsevier (2022)

3. V Dharam Singh[1] M Manzoor Hussain[2], Swadesh Kumar Singh[3]; Study of Formability of Brass Sheet Metal under Different Temperature Conditions; ICMPC (2021), LNME, Springer.
4. V Dharam Singh[1] M Manzoor Hussain[2], Swadesh Kumar Singh[3], Experimental Investigation and Optimization of Material Properties of Brass at Different Temperature Conditions Using Taguchi Technique, E3S Web of Conferences 309, 01088 (2021), *ICMED 2021* 901088, https://doi.org/10.1051/e3sconf/202130.

PAPER PRESENTED IN INTERNATIONAL CONFERENCES:

1. Mr. V. Dharam Singh[1], Mr. V. Suvarna Kumar [2,] Mr. G. Prasanna Kumar [3] , Dr. M. Manzoor Hussain [4] , Dr. Swadesh Kumar Singh[5], Understanding of Surface Roughness and Microstructure of AA6061 Al Alloy by HSM Using Taguchi Design of Experiment, at the international Conference on Paradigms in Engineering & Technology, ISBN: 978-93-5258-110-8, Volume-1, page no.327-332, Methodist College of Engineering & Technology, Hyderabad.
2. Mr. V. Dharam Singh[a], Mr. V. Suvarna Kumar [b], Mrs. S. Shahar Banu[c], Dr. M. Manzoor Hussain [d], Dr. Swadesh Kumar Singh[e], Study of Surface Roughness in Squeeze Casting of AA6061 Al Alloy Using Taguchi Method, at international conference on Materials research and Applications (ICMRA-2016), CMR Technical campus, Hyderabad.
3. G.M. Sayeed Ahmed[a], Mohd. Viquar Mohiuddin[b], Salma Sultana[c], H. Krishnamurthy Dora[c], V. Dharam Singh[c], Microstructure Analysis and Evaluation of Mechanical Properties of Nickel Based Super Alloy CCA617, Volume 2, Issues 4–5, 2015, Pages 1260–1269, doi:10.1016/j.matpr.2015.07.041, 4th International Conference on Materials Processing and Characterzation, at GRIET, Hyderabad.
4. [1.] Mr. V. Dharam Singh [2.] Mr. H. Krishna Murty Dora [3.] Md. Abdul Raheem Junaidi [4.] Mr. P. Nageshwar Rao, [5.] Mohd. Hasham Ali, Experimental investigation of surface roughness on Al alloy by HSM using Taguchi method, at International Conference on Technological innovations in Mechanical Engineering (TIME-2015) ISBN.978-93-81692-07-1, Volume-1 page No 21-27, Chaitanya Bharathi Institute of technology, hyderabad
5. [1.] Mr. V. Dharam Singh, [2.] Mr. M. Manzoor Hussain, [3.] Mr. V. Suvarna Kumar, [4.] Mr. . Krishna Murty Dora, [5.] P. Nageshwar Rao, Study of Microstucture and Surface Roughness of an Al 6061 alloy by HSM using Taguchi Technique , at International Conference on Technological innovations in Mechanical Engineering (TIME-2015) ISBN.978-93-81692-07-1, Volume-1 page No 37-44, Chaitanya Bharathi Institute of technology, hyderabad
6. [1.] Mr.Joseph george Konnully, [2.] Mr. Krishna Murty Dora, [3.] Mr. S. irfan Sadaq, [4.]Mr. V. Dharam singh , [5.] Abdul Raheem Junaidi, Productivity of a machine tool company-A case

study, at International Conference on Technological innovations in Mechanical Engineering (TIME-2015) ISBN.978-93-81692-07-1, Volume-1 page No 65-70, Chaitanya Bharathi Institute of technology, hyderaba.

7. Attended "International Conference on Current Trends in Mechanical Engineering**"** at Department of Mechanical Engineering, Vel Tech Dr. R R & Dr. R R Technical University, Chennai, Tamil Nadu, India and presented a paper entitled as "process control and parameter optimization in high speed machining of AA6061 Aluminium alloy using Taguchi Technique", December 23rd – 24th, 2011.

PARTICIPATED IN NATIONAL CONFERENCES:

1. Participated in a two day national conference on "**Technologies for Sustainable Ecosystem (TSE 2019)"**, held on 22nd, 23rd and 24th march 2019 at Muffakham Jah College of Engineering and Technology, Hyderabad.
2. Participated in a two day national conference on "**Technologies for Sustainable Ecosystem (TSE 2017)"**, held on 23rd and 24th march 2017 at Muffakham Jah College of Engineering and Technology, Hyderabad.
3. Participated in a two day national conference on "**Technologies for Sustainable Ecosystem (TSE 2016)"**, at Muffakham Jah College of Engineering and Technology, Hyderabad.
4. Participated in a two days national conference on "Technologies for Sustainable Ecosystems, TSE – 2015" HELD ON 26th and 27th march 2015 at at Muffakham Jah College of Engineering and Technology, Hyderabad.
5. Attended "**International Conference on Recent Advances in Production Technology"** at Department of Mechanical Engineering, JNTU College of engineering, Hyderabad, India and presented a paper entitled as "Investigation of surface roughness and microhardness in high speed machining of AA6061 Aluminium alloy by Design of experiment (Taguchi Method)", June 13rd – 14th, 2010.

ACHIEVEMENTS:

1. Reviewed a manuscript entitled "Investigations on Mechanical Properties of Jute fibre and epoxy resin Composites with Titanium Oxide" manuscript number MATPR-D-22-03344, Materials Today: Proceedings, Elsevier.
2. Incharge for Metallurgy Lab & Departmental Library.
3. Class Incharge (Counsellor and Mentor).
4. Actively coordinated for NAAC & NBA work.
5. Acted as an Internal Exam Cell Member.
6. Successfully completed the Village Survey, House Hold Survey, Gramma Sabha of five Adopted village by MJCET under Unnat Bharat Abhiyaan (UBA).

7. Developed Course Content, Course File, Session Planner for Various Theory Courses.
8. Developed Laboratory manuals for various Practical Courses.
9. Got 100% pass percentage.
10. Well establishment of Metallurgy & Material Science Lab, Production Technology & Machine Tools Lab.
11. Registered PhD in JNTUH, 2016, Completed Course Work, Research Methodology, Pre-Phd, RRM I &II & Colloquium.
12. FET-2013 (JNTUH) Qualified.
13. Ratified from JNTUH as Assistant Professor in Department of Mechanical Engineering in Hyderabad Institute of Technology & Management (HITAM), Hyderabad, Gowdavelly (Village), Medchal (Mandal), R.R. District.
14. FET-2010 (JNTUH) Qualified.
15. Ratified from JNTUH as Assistant Professor in Department of Mechanical Engineering in Padmasri Dr. B.V. Raju Institute of Technology (BVRIT), Narsapur, Medak.

FDP/WORKSHOP/SEMINAR ATTENDED:

1. Participated in the online training programme on "Participatory Approaches and Technology Interventions for Rural Development through UBA from 16th to 18th August, 2021 organized by NIRDPR.
2. Attended one week online FDP on "Research Avenues in Thermal Engineering" RATE-2021 organized by Department of Mechanical Engineering, Vasavi College of Engineering from 26th July to 30th July 2021.
3. Attended a five day online FDP on "Digital manufacturing Evolutions for Smart Industries" from 16th to 20th August, 2021 at Poornima College of engineering, Jaipur, Rajasthan.
4. Completed the NPTEL FDP "Course on "Principles of Metal forming Technology" from July-September, 2021.
5. Participated in a 40-hour online FDP on "Artificial Intelligence and Machine Learning" organized by E&ICT Academy, NIT Warangal and Rajarambapu institute of Technology, Maharashtra during 21st – 30th August, 2021.
6. Participated one week FDP on "Additive manufacturing Processes and its Applications" organized by the Department of Mechanical Engineering from 2^{3rd} – 2^{8th} august 2021 at Sri Manakula Vinayagar Engineering College, Puducherry.
7. Attended a one day online workshop on "IPR – Patent Filling Procedure" on 8th September, 2021 conducted by Rajiv Gandhi National institute of intellectual Property management, Nagpur in collaboration with Muffakham Jah College of Engineering and Technology, Hyderabad.

8. Participated in one week FDP on "Pedagogical Training" organized by Department of Mechanical Engineering, TKR college of Engineering and Technology, during 9th -13th December, 2019.
9. Attended AICTE sponsored two week FDP on "Design for Manufacture, Assembly, Environment for Production |Innovation & optimization" organized by Department of Automobile Engineering, MCET from 25th November 2019 to 07th December 2019.
10. Participated in AICTE sponsored one week (STTP) on Innovations and Research Challenges in loT Applications for Smart manufacturing and Smart Design" organized by the Department of Mechanical Engineering from 09.12.2019 to 14.12.2019 at Sri Ramakrishna Engineering College, Tamil Nadu.
11. Participated in the online training programme on "Participatory Approaches and Technology Interventions for Rural Development through UBA from 26th to 28th August, 2019 organized by NIRDPR.
12. Completed the NPTEL FDP "Course on Manufacturing Process Technology" from Jan-Apr 2019.
13. Participated in five day Faculty Development Program on "Computational Research Technologies Using Matlab" organized by the Department of Mechanical Engineering, BVRIT during 3rd to 7th December, 2018.
14. Participated in a two day national level seminar on"3D Printing Technology-Innovation in clinical Bio Medical Fields" held on 31st august and 1st September, 2018 by GNITC-Department of Mechanical Engineering, Hyderabad.
15. Attended a workshop on "Advances in Research and Innovation in Mechanical Engineering" "ARIME 2017" conducted by Department of Mechanical Engineering at Muffakham Jah College of Engineering and Technology, Hyderabad from 30.01.2017 – 01.02.2017.
16. Participated in a two day national level workshop on "Hands on Practice on 3D Printing", at Malla Reddy Engineering College, Hyderabad.
17. Mr. V. Dharam Singh attended a two day workshop on advances in thermal Engineering at Mechanical engineering department, Chaitanya Bharathi Institute of technology, hyderabad.
18. Attended Two days National work shop on "Car Dynamics", at Hyderabad Institute of Technology and Management from 4th to 5th march 2014.
19. Attended faculty development program at Hyderabad Institute of Technology and Management trainer "SUDAKSHA" from 29th November, 2013 to 29th April, 2014.
20. Attended Two days National work shop on "High Impact Teaching Skills", attested by Dale Carnegie & Associates, Inc. Trainer and Wipro at Padmasri Dr. B.V. Raju Institute of Technology (BVRIT), Narsapur, Medak from 10th to 11th October 2011.
21. Attended four days National work shop on "MISSION 10X" at Padmasri Dr. B.V. Raju Institute of Technology (BVRIT), Narsapur, Medak from 10th to 14th October

22. Attended five days International work shop on “Mechatronics & Robotics”, conducted by Indo-US Engineering faculty leadership Programme (IUCEE) from 4th July to 8th July 2011at Vel Tech Dr. R R & Dr.R R Technical University, Chennai, Tamil Nadu, India.
23. Attended two days A National Work Shop on “Rapid Prototyping Technologies”, in Collaboration with ISTE Chapter, MVSR engineering College, Organized by Department of Mechanical Engineering at MVSR engineering College From 5th to 6th March 2010.
24. Attended two week National work shop on “A Advances in separation technique as applied to industry”, sponsored by all India Council for Technical Education (A.I.C.T. E), Delhi, organized at Padmasri Dr. B.V. Raju Institute of Technology (BVRIT), Narsapur, Medak from 2 2nd June to 4th July 2009.
25. Attended six days National work shop on “ National Quality Improvement Programme on Instructional Design and Delivery System”, conducted by National Institute Of Technical Teachers Training & Research, Chennai, Tamil Nadu, India., at Padmasri Dr. B.V.Raju Institute of Technology (BVRIT), Narsapur, Medak From 19th to 24th May 2008, the major areas covered being: Teaching learning process, Instructional objectives & learning experience, Instructional methods, Media And Materials, Planning for teaching, Evaluation of students performance, and Microteaching practice
26. Attended Three days National work shop on “Research Methodology & Report writing”, organized by Department of Mechanical Engineering at Jawaharlal Nehru Technological University, college of engineering, Hyderabad, from 11th to 13th December 2006.