

CURRICULAM VITAE



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<https://scholar.google.co.in/citations?user=lwgWkfQAAAAJ&hl=en>

<https://www.researchgate.net/profile/Reddy-Sreenivasulu>

<https://www.scopus.com/authid/detail.uri?authorId=57225835695>

<https://www.scopus.com/authid/detail.uri?authorId=57499106400>

<https://www.webofscience.com/wos/author/record/2129365>

<https://vidwan.inflibnet.ac.in/profile/183978>

Educational Qualification:

Name of Degree	Board / University	Year of Passing	Class
Ph.D (Mechanical Engineering)	University College of Engineering(A) Andhra University, Visakhapatnam, A.P.	2018	
M.E. (Automation & Robotics)	University College of Engineering(A) Osmania University, Hyderabad, A.P.	2003	First with Distinction
B.Tech. (Mechanical Engineering)	Regional Engineering College, Warangal, A.P. (NIT Warangal)	1997	First

Details of Doctoral Thesis:

Area of Thesis work: Design of Experiments, Modelling, Simulation & Optimization of Machining Parameters

Title of Thesis: **INVESTIGATIONS ON BURR FORMATION IN DRILLING OF ALUMINIUM ALLOYS**

PATENTS: 02(published)

1. **Title of the invention:** INL- HUMANOID ROBOT: INTELLIGENT HUMANOID ROBOT THAT INCLUDES A TORSO, A PAIR AN ARMS, TWO HANDS, A NECK, HEAD, AND LOGIC.

Application No. 202041051209 A

Date of filing of Application: 25/11/2020

The Patent Office Journal No. 49/2020 & Publication Date: 04/12/2020

2. **Title of the invention:** DEVELOPMENT AND FABRICATION OF FILAMENT EXTRUDER FOR 3D PRINTER AND MATERIAL RECYCLING

Application No. 202441000089

Date of filing of Application: 01/01/2024

The Patent Office Journal No. 07/2024 & Publication Date: 16/2/2024

Editorial/ Reviewer board member in peer reviewed journals:

1. Editorial Team member, Independent Journal of Management & Production, ISSN: 2236-269X
2. Editorial Team member, Journal of Mechatronics and Robotics, ISSN: 2617-0353
3. Reviewer, International Journal of Engineering Research & Technology, ISSN: 2278-0181

Work Experience:

Teaching Experience: More than 20 Years

- Worked as Teaching Assistant in the Department of Mechanical Engineering at **Bapatla Engineering College, Bapatla** Andhra Pradesh from 17.10.1998 to 8.5.1999 & 17.1.2000 to 30.4.2000.
- Worked as Assistant Professor in the Department of Mechanical Engineering at **Jatipita College of Engineering, Adilabad** Andhra Pradesh from 14.8.2002 to 17.2.2005.
- Worked as Assistant Professor in the Department of Mechanical Engineering at **S.V.V.S.N. Engineering College, Ongole** Andhra Pradesh from 18.2.2005 to 05.06.2007.
- Worked as Assistant Professor in the Department of Mechanical Engineering in **R.V.R. & J.C.College of Engineering (A), Guntur** Andhra Pradesh since 06.06.2007 to 30.06.2022.
- Presently working as Associate Professor in the Department of Mechanical Engineering in **R.V.R. & J.C.College of Engineering (A), Guntur** Andhra Pradesh from 01.07.2022 to till date.

Students / Industrial Research Projects sanctioned: 02

1. R.V.R & JCCE sanctioned Rs.50,000/-for fabrication of Solar electric hybrid car
2. Industrial Research Project sanctioned with a worth of Rs 2,00,000/- by Design Tribe India Pvt.Ltd, Hyderabad.

Project Works (UG/PG Level): 19 B.Tech + 04 M.Tech

- 1) Low cost automated deep drawing press using Hydraulic controllers (2002-03).

- 2) Fabrication of experimental to determine heat transfer co-efficient of vertical plates due to free convection (2003-04).
- 3) Fabrication of air survivalence vehicle (2007-08).
- 4) Simulation of a Desired Trajectory for a 2 Link Planar Manipulator (2008-09).
- 5) Design and Fabrication of Low Cost Automated Hydraulic Jack (2009-10).
- 6) The Thermo - Performance study of automobile tube - core fin radiator using Nano fluids as engine coolant (2010-11).
- 7) Optimization of Drilling Process Parameters with Multiple performance characteristics using Taguchi method and Grey relational analysis (2011-12).
- 8) Optimization of Surface Roughness of Glass Fiber Reinforced Polymeric (GFRP) Composite Material in End Milling using Taguchi Design Method (2012-13).
- 9) Joining of dissimilar alloy sheets (Al 606 3& AISI 304) during resistance spot welding process: a feasibility study for automotive industry (2013-14).
- 10) Design and Fabrication of Solar Human Hybrid Quadricycle – An Eco-friendly Vehicle (2014-15).
- 11) Experimental investigation on influence of machining parameters during end milling on alluminium 6351-T6 alloy using Taguchi design method (2015-16).
- 12) Multiple Performance Characteristics Optimization of Turning Parameters for Surface Roughness and Chip Reduction Coefficient during CNC Dry Turning of AA 6351-T6 Alloy using Utility Based Taguchi Approach: An Experimental Investigation (2016-17).
- 13) Taguchi based Experimental Studies on Surface Roughness and Burr Formation during End Milling of Inconel 718 Super Alloys (2017-18).
- 14) Parametric Design and Analysis of Four Wheeled Car Bumper Using CATIA & ANSYS (2018-19).
- 15) Modeling and Analysis of Helical Springs Using CATIA-V5R19 and ANSYS 16 (2019-20).
- 16) Design and Simulation of a Cooling System for Single Point Cutting Tool using Peltier effect (2020-21).
- 17) Design, modelling and Fabrication of special attachment for square hole drilling mechanism (2021-22).
- 18) Modelling and Analysis of robotic manipulator using CATIA and ANSYS (2022-23).
- 19) Some investigations on mechanical and chemical properties of SS316 additive manufactured (DMLS) work piece with conventional manufactured SS316 work piece (2023-24).

Post Graduate Level: 04

- 1) An optimization approach for the path planning of Redundant Robot manipulator (external guidance).
- 2) Design and Analysis of a 4-Stroke single cylinder SI engine.
- 3) Investigation on Influence of drilling parameters on Thrust force, Torque and Surface Roughness during drilling of Alluminium alloys - Based on Taguchi Design of Experiments.
- 4) Influence of ZnO and SiC Micro Fillers on Mechanical Properties of E-Glass/Polyester Composites.

Seminars / FDP / Workshops Attended: 37

- 1) 2-Day workshop on Flexible Automation & Intelligent Manufacturing Systems at **Jatipita Engineering College, Adilabad** on 20-22, February, 2004.
- 2) 1-Day Induction Training Programme conducted by ISTE for Young Teachers at **R.V.R. & J.C.College of Engineering, Guntur** on 25-26, July, 2008.
- 3) AICTE sponsored National Seminar on Micro Machining at **R.V.R. & J.C.College of Engineering, Guntur**, Andhra Pradesh on 09-10, December, 2008.

- 4) National Level 3-Day Workshop on Metaheuristics and their Applications in Design, Manufacturing and Materials conducted by the school of mechanical engineering, **Vignan University, Vadlamudi, Guntur**, Andhra Pradesh during 18-20 June, **2009**.
- 5) One Week Faculty Development Programme on Optimization and Reliability in Engineering and Design from 26th-30th November **2012**, organized by **VR Siddhartha Engineering College (Autonomous), Vijayawada**, Andhra Pradesh.
- 6) UGC sponsored National Seminar on Solar Energy Harvesting through Photo voltaic cells and Storage at **R.V.R. & J.C.College of Engineering (A), Guntur**, Andhra Pradesh on 21st-22nd, June, **2013**.
- 7) A 2-Day workshop on Recent Trends in Manufacturing Organized by Mechanical Engineering Department under TEQUIP-II at **Chitanya Bharathi Institute of Technology (CBIT), Hyderabad**, on 29-30, July, **2013**.
- 8) UGC sponsored National Seminar on Futuristic Trends of Nano Composites and their Fabrication (FTNCF-2013) at **R.V.R. & J.C.College of Engineering (A), Guntur**, Andhra Pradesh on 06-07, September, **2013**.
- 9) A 2-Day workshop on **Engineering Drawing** Organized by Mechanical Engineering Department under TEQUIP-II at MallaReddy Engineering College (Autonomous), **Secunderabad, Telangana State** on 12-13, September, **2014**.
- 10) A 1-Day Faculty Development Programme on **Recent Advances in Additive Manufacturing** Organized by Mechanical Engineering Department, **VR Siddhartha Engineering College(Autonomous), Vijayawada, Andhra Pradesh** on 18th October, **2014**.
- 11) A 2-Day Faculty Development Programme on **Finite Element Analysis** Organized by Mechanical Engineering Department under TEQUIP-II at **MallaReddy Engineering College(Autonomous), Secunderabad, Telangana State** on 20-21st, February, **2015**.
- 12) A 1-Day National Workshop on **Optimization Techniques with MATLAB**, Organized by Department of Mathematics, **VR Siddhartha Engineering College (Autonomous), Vijayawada, Andhra Pradesh** on 31st August, **2015**.
- 13) Two Days Work shop on Introduction to Robotics Conducted at CMR Engineering College, Hyderabad conducted by **e-Yantra team of IIT Bombay under the National Mission on Education through ICT (MHRD, Govt.of India)** from 16th November – 17th September, **2016**.
- 14) Successfully completed **One week AICTE-ISTE** sponsored induction/ refresher programme on “**Research Methodology, Design and Analysis of Experiments**” conducted by Mechanical Engineering Department, **R.V.R&J.C.College of Engineering (A),Guntur**, Andhra Pradesh from 12th to 17th November **2018**.
- 15) Successfully completed **Two week AICTE** Faculty Development Programme on “**Engineering Technologies and Challenges in Mechanical Engineering**” conducted by Mechanical Engineering Department, **R.V.R&J.C.College of Engineering (A),Guntur**, Andhra Pradesh from 21st to 02nd November **2019**.
- 16) Successfully completed one week online FDP on “**Practical aspects of Finite element Analysis using ABAQUS**” organized by **APSSDC** from 18.04.2020 to 24.04.2020.
- 17) Successfully completed one week online FDP on “**Machine Learning and Deep Learning Applications in Engineering & Science**” (MLDLAES - 2020) organized by **Government College of Engineering, Karad, Maharashtra** held on 16.05.2020 - 20.05.2020.

- 18) Successfully completed online FDP on “**Design for Manufacturing and Assembly**” organized by **APSSDC** from 21.05.2020 to 23.05.2020.
- 19) Attended an online “**Faculty Programme on NBA**” with a passing score of 60% organized by Bharati Vidyapeeth College of Engineering, Navi Mumbai held on 10.05.2020.
- 20) Attended for one day online workshop on “**research scopes in composites materials**” organized by Chennai Institute of Technology, Chennai by eminent speakers from IIT Madras and IIT Tirupathi held on 14.05.2020.
- 21) Attended for one week online FDP on “**Research Trends in Mechanical Engineering**” organized by Gudlavalluru Engineering College (Autonomous), Seshadri Rao Knowledge village by eminent speakers from IIT’s and NIT’s during 15th -20th June 2020.
- 22) Attended an online Five day FDP on the theme “**Pedagogical Practices of New India under National Education Policy, 2020**” jointly organized by Tripura University, Manipur University and Assam University during October 7 to October 11, 2020.
- 23) Attended an online one week International Short Term Course on “**Current and Future Scope of Surface Coatings**” organized by Department of Chemical Engineering, NIT, Jalandhar during December 02 to December 06, 2020.
- 24) Participated and completed successfully under AICTE Training and Learning (ATAL) Academy online FDP on “**Green Technology & Sustainability Engineering**” organized by Department of Mechanical Engineering, NIT, Raipur during 8th to 12th December 2020.
- 25) Participated and completed successfully online FDP on “**Systems engineering**” organized by **APSSDC** in association with Dassault Systems from 17.05.2021 to 22.05.2021.
- 26) Participated and completed successfully under AICTE Training and Learning (ATAL) Academy online FDP on “**Recent Trends in Precision Agriculture**” organized by Sant Longowal Institute of Engineering and Technology, Longowal during 31.05.2021 to 04.06.2021.
- 27) Participated and completed successfully under AICTE Training and Learning (ATAL) Academy online FDP on “**Robotics and Control**” organized by **IIITDM Kurnool** during 14.06.2021 to 18.06.2021.
- 28) Completed One week National level Intercollegiate **Online Faculty Development Program on Outcome Based Education & Bloom’s Taxonomy** organized by the Internal Quality Assurance Cell of Ramakrishna Mission Vivekananda Centenary College (Autonomous), Kolkata in association with IPSR solutions limited during 08 November 2021 to 15 November 2021.
- 29) Participated and completed successfully under AICTE Training and Learning (ATAL) Academy online FDP on “**3D printing & Design**” organized by **IIT Indore** during 06.12.2021 to 10.12.2021.
- 30) Participated and completed successfully under AICTE Training and Learning (ATAL) Academy online FDP on “**Advanced Manufacturing of Biomedical Devices for Precision Health Technologies**” organized by **IIT Tirupati** during 13.12.2021 to 17.12.2021.
- 31) Participated successfully in IP Awareness/Training program under **NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION** on August 11,2022 Jointly Organized by Intellectual Property Office and MoE's Innovation Cell, India.

- 32) Participated successfully online FDP on “**Amazon web services**” organized by **BALAJI INSTITUTE OF TECHNOLOGY AND SCIENCE** in collaboration with **BRAINOVISION SOLUTIONS INDIA PVT.LTD & AICTE** during the period of 22nd August 2022 to 27th August 2022.
- 33) Participated in SEBI (Securities and Exchange Board of India) & NISM (National Institute of Securities Markets) sponsored **Investor Awareness Program-Financial Literacy for You (FLY)** from 7th October 2021 to 7th July 2022 (Equivalent one week Faculty Development Programme) organized by Department of Mechanical Engineering, R.V.R & J.C.College of Engineering(A), Guntur, A.P.
- 34) Participated in a one week faculty development program on “Innovations in Mechanical Engineering” during **26-12-2022 to 30-12-2022**, through online mode, organized by the Department of Mechanical Engineering, **Vasireddy Venkatadri Institute of Technology**, Nambur, Guntur, A.P.
- 35) Participated in international workshop on “Remanufacturing Capability Building” jointly organized by National Institute of Advanced Manufacturing Technology (NIAMT) and Futuristic and Advanced Manufacturing Forum of India (FAMFI) during **15-09-2022 to 18-09-2022** in hybrid mode.
- 36) Participated in DST-SERB five days online workshop on “Vehicular vibrations control with modern control system” organized by National Institute of Technology Karnataka, Surathkal (NITK) during 21.08.2023 to 25-08-2023.
- 37) Participated and completed successfully online FDP on “**The new product development process**” organized by **APSSDC** in association with Dassault Systems from 13.11.2023 to 18.11.2023.

On-Line certificate courses successfully completed: 05

1. Two Week ISTE Work shop on Engineering Mechanics Conducted by **IIT Bombay under the National Mission on Education through ICT (MHRD, Govt. of India)** from 26th November – 06th December, 2013.
2. Participated as a team member online Task Based Training (**TBT-2016**) during September 23,2016 – January 13,2017 conducted as a part of Teacher Training Through the **e- Yantra Lab Setup Initiative (eLSI) by IIT Bombay under the National Mission on Education through ICT (MHRD, Govt.of India)** and awarded **Class A certificate** with a 6000/- honorarium for a team contains 4 members.
3. Passed with E-lite **NPTEL online certification** 12 week (July-Oct 2018) course on “**Intellectual Property**” conducted by IIT Madras.
4. Successfully completed FDP 101X (**Foundation Program in ICT for Education**) and 201X (**Pedagogy for Online and Blended Teaching-Learning Process**) conducted by **IIT Bombay** during 13th September-27th October,2018 & 30th October 2018 -7th January 2019.
5. Passed with E-lite **NPTEL online certification** 8 week (Aug-Oct 2019) course on “**Ethics in Engineering Practice**” conducted by IIT Kharagpur

Details of Publications:

International Journals	International Conferences	National Conferences	Book Chapters	Patents published	Total
56	14	8	03	02	82

Papers Presented/ Published at National Conferences: 08

- 1) **Reddy Sreenivasulu**, Mandava Ravikumar presented & published a paper titled “Aero Space Applications of GFRP Composites: Review “ in the proceedings of National Conference on Innovative Paradigms in Engineering and Technologies (**NCIPET-2013**), Organized by SBJITM&R. **Nagpur** on **17th Feb, 2013,pp 12-15.**
- 2) S.Kalyana Chakravarthy, **Reddy Sreenivasulu**, Bhavani K.V. S, V.Rajendra Prasad ,Y.Redankamma published a paper titled “Study of Failure mode in Resistance spot welding of Al 2024 alloy and AISI304 Sheets” in the proceedings of National Conference on Frontiers in Mechanical Engineering (**FIME-2013**), Organized by Mechanical Engineering Department, **Moulana Azad National Institute of Technology ,Bhopal** on **29th-31stAug, 2013, pp215-218,ISBN:978-93-83083-27-5.**
- 3) **Reddy Sreenivasulu**, V.Siva Ramakrishna, presented and published a paper titled “Optimization of Delamination Damage of GFRP Composite during End Milling using Taguchi Method, S/N ratio and ANOVA” in the Proceedings of the 4thNational Conference on Advances in Mechanical Engineering, (**AIM-2013**) organized by **Vasavi College of Engineering (A) Hyderabad, A.P** on **7th-8th Nov 2013,pp 269-272, ISBN:978-93-82570-16-5**
- 4) **Reddy Sreenivasulu** and K.Lakshman etal, published a paper in the conference proceedings titled” prediction of surface roughness in end milling operation of aluminium 6351-T6 alloy using Taguchi methodology” at **2nd National Conference on Design and Manufacturing for Product Life Cycle (DPLC-2016)** organized by Department of Mechanical Engineering, **BITS Pilani, Hyderabad Campus** during March 19th – 20th, 2016.
- 5) Behara Venkata Sai Abhilash and **Reddy Sreenivasulu** published a paper in the conference abstract proceedings titled” Influence of drilling parameters on thrust force and torque during drilling of Alluminium 7075 Alloy” at **2nd National Conference on Recent Trends in Mechanical Engineering (NCRTME-2016)** organized by Department of Mechanical Engineering, **JNTUH, Kukatpally, Hyderabad** during April 28th – 29th, 2016.
- 6) Bhusam Bhargavi and **Reddy Sreenivasulu** published a paper in the conference proceedings titled” Overview on Hybrid Metal Matrix Composites (HMMC)”at **National Conference on Technological Advancements in Mechanical Engineering (TAME-2016)** organized by Department of Mechanical Engineering, **JNTUK, Kakinada** during 22nd – 23rd July, 2016, pp 104-106. **ISBN: 978-93-85100-57-4**
- 7) **Reddy Sreenivasulu** & K.Vijay kumar Reddy etal, published a paper in the conference proceedings titled” Effect of Cutting parameters on Surface Roughness and Chip Reduction Coefficient during CNC Turning of Aluminium 6351 T6 Alloy Utility Based Taguchi Approach at **National Conference on advances in materials and product design (AMPD 2017)** organized by Dept. of Mechanical Engineering, **SVNIT Surat** during March 10th – 11th, 2017. **ISBN: 978-93-5268-172-3.**

- 8) **Reddy Sreenivasulu**, Shaik Hidayath Hussain, Raga Veera Vineeth, Raavi RamaKrishna, Vijay Dasari, Pappala Suresh., presented and published a paper entitled **”Some Investigations on End Milling of Inconel 718 Super alloys”** in the proceedings of National Conference on Recent Trends in Manufacturing held on **29th March,2018** organized by **College of Engineering(Autonomous), Andhra University, Visakhapatnam, Andhra Pradesh, INDIA.**

Papers Presented/ Published at International Conferences: 14

- 1) **Reddy Sreenivasulu & Ch.Srinivasa Rao**, presented and published a paper titled **“Optimization of operating parameters to minimize burr size in drilling using taguchi method & grey relational analysis for A1 6061”** in the proceedings of International Conference on Challenges on Mechanical engineering and Industrial management (**ICCOMIM - 2012**), **MSRIT Bangalore** on **11-13 July2012, pp829-833,ISBN:978-93-82338-05-5.**
- 2) **Reddy Sreenivasulu & Ch.Srinivasa Rao**, presented a paper titled **”Experimental investigation on influence of Nano fluids in drilling of Al6061 alloy using Grey based-Taguchi Approach”**, International Conference on Material Processing and Characterization (**ICMPC-2013**) conducted by **GRIET, Hyderabad** on **16-17 March 2013.**
- 3) **Reddy Sreenivasulu & Ch.Srinivasa Rao**, presented a paper titled **”Modeling and Optimization of Thrust Force and Torque during Drilling of Aluminum 6061 alloy using Taguchi-Grey Analysis Approach”**, International Conference on Material Processing and Characterization (**ICMPC-2013**) conducted by **GRIET, Hyderabad** on **16-17 March 2013.**
- 4) **Reddy Sreenivasulu**, presented a paper titled **“Optimization of Surface Roughness and Delamination Damage of GFRP Composite Material in End Milling using Taguchi Design Method and Artificial Neural Network”** at International Conference on Design and Manufacturing, (**IConDM-2013**) organized by **Indian Institute of Information Technology Design &Manufacturing (IIITD&M), Kanchipuram, Chennai** on **18-20 July 2013.**
- 5) **Reddy Sreenivasulu**, Valiveti Siva Ramakrishna, Ambati BabiReddy published a paper titled **“Educating the Next Generation of Entrepreneurial Engineer in the development of Indian industry: Some Recommendations”** in the proceedings of International Conference on **“Next Generation Education for Entrepreneurial Engineers”**, (**ICNGE³**) organized by **SR Engineering college (A) Warangal, A.P** on **10 -11 March 2014, pp 24-27, ISBN:819041649-9.**
- 6) **ReddySreenivasulu** presented and published a paper titled **“Optimization of Machining Parameters during End Milling of GFRP Composites by Desirability Function Analysis using Taguchi Technique’** at **AIMTDR-2014** organized by **Indian Institute of Technology, Guwahati** on **12-14 December 2014, pp338-1 to338-7.**
- 7) **ReddySreenivasulu**, G.SuryaTeja, A. Ajith Kumar, A. Venkata Rama Krishna, G. Vaishnavi, E.Dinesh Kumar, presented and published an abstract of a paper in the proceedings with titled **“Design and Fabrication of Solar Human Hybrid Quadricycle – An Eco-friendly Vehicle”** at International Conference on Environment and Energy-2014, **JNTU Hyderabad** on **15-17 December 2014, PP 53, ISBN: 978-93-81212-96-7.**
- 8) **Reddy Sreenivasulu & Ch.Srinivasa Rao**, presented and published a paper ID 352 titled **“ Optimization of Machining Parameters during Drilling of Aluminium 2014 Alloy using**

CATIAV5R19 and DEFORM-3D: Numerical Simulation and Experimental Validation” in the proceedings of **COPEX 10, 2017** organized by **IIT Madras** on 07-09 December 2017, pp833-836, ISBN: 978-93-80689-28-9.

- 9) **Reddy Sreenivasulu & Ch.Srinivasa Rao**, presented a paper titled “Modelling, Simulation and Experimental validation of Burr size in Drilling of Aluminium 6061 alloy” at 2nd International Conference on Materials Manufacturing and Design Engineering (**iCMMD 2017**) – 11th & 12th December, 2017 at **Marathwada Institute of Technology, Aurangabad, Maharashtra**.
- 10) **Reddy Sreenivasulu & Ch.Srinivasa Rao**, presented a paper titled ”Some investigations on drilling of Aluminium alloys from FEA based simulation using Deform-3D”.at 7th international & 28th All India Manufacturing Technology, Design and Research (**AIMTDR-2018**) conference 2018 during 13th-15th December 2018 organized by **College of Engineering Guindy, Anna University, Chennai**.
- 11) **Reddy Sreenivasulu** presented with a paper ID 7 titled” Smart materials for 4D printing: a review on developments, challenges and applications”, at First international conference on future technologies in manufacturing, automation , design & energy (**ICoFT2020 MADE@NITPY**) during 28th - 30th December 2020 organized by **National Institute of Technology Puducherry**.
- 12) **Reddy Sreenivasulu** presented and published a paper titled ” Effect of drill wear on surface roughness during drilling of multi hole parts with twist drill bit in the optimization of variable geometrical parameters using Grey relational analysis coupled with Taguchi method” in the proceedings of International Conference on Advances in Science and Technology (ICAST) during 2nd - 3rd April 2021 organized by Institute of innovations, Tiruvannamalai (Registered MSME, Government of India), Tamilnadu. Paper ID: ICAST07, pages 9-10 with **ISBN: 978-81-951299-2-8**.
- 13) **V.Krishna Teja, Dr. R.Sreenivasulu, O .V .Gnaneswara Reddy, J. J. Samuel Isaac, Y.Shivaram, Y. Mohana Ayyappa, S .S .V .Karthek**, presented and published a paper titled “Design and simulation of a cooling system for single point cutting tool using Peltier effect” in the proceedings of International Conference on Advances in Science and Technology (ICAST) during 2nd - 3rd April 2021 organized by Institute of innovations, Tiruvannamalai (Registered MSME, Government of India), Tamilnadu. Paper ID: ICAST 85, pages 205-211 with **ISBN: 978-81-951299-2-8**.
- 14) **Reddy Sreenivasulu** presented with a paper ID 09 titled” Optimization of machining parameters in drilling of AA 7075 alloys using TOPSIS and Taguchi Method”, at Second international conference on future technologies in manufacturing, automation , design & energy (**ICoFT2021 MADE@NITPY**) during 16th - 18th December 2021 organized by **National Institute of Technology Puducherry**.

Papers Published in International Journals: 56 SCOPUS-12 (10+02 Chapter), WoS-15

1. **Reddy Sreenivasulu & Ch.Srinivasa Rao**, Determination of Optimal Combination of Drilling Parameters to Minimize Burr Height and Thickness for Aluminum 6061 Alloy Using Grey Relational Analysis, **International Journal of Advances in Science and Technology** (ISSN:2229-5216), Vol 5 , No 4, PP 9-16, **October 2012. (Indexed by Google Scholar)**
2. **Reddy Sreenivasulu**, Simulation of Desired End point Trajectory for a 2 DOF Planar Manipulator, **International Journal of Advanced Scientific and Technical Research**

(ISSN:2249-9954), Issue 2 , Vol 5, PP 668-696, **October 2012. (Indexed by Google Scholar)**

3. **Reddy Sreenivasulu & Ch.Srinivasa Rao** , Application of Gray Relational Analysis for Surface Roughness and Roundness Error in Drilling of Al 6061 alloy, **International Journal of Lean Thinking** (ISSN:2146-0337) , Volume 3, Issue 2, PP 67-78, **December 2012. (Indexed by Google Scholar)**
4. **Reddy Sreenivasulu & Ch.Srinivasa Rao**, Design of Experiments based Grey Relational Analysis in Various Machining Processes - A Review, **Research Journal of Engineering Sciences** (International Science Congress Association) ISSN: 2278-9472, Vol. **2(1)**, PP 21-26, **January 2013. (Indexed by Google Scholar)**
5. **Reddy Sreenivasulu & Ch.Srinivasa Rao**, Application of Grey Based - Taguchi Method to Determine Multiple Performance Characteristics in Drilling of Aluminium Alloys – Review, **Research Journal of Engineering Sciences** (International Science Congress Association) ISSN:2278-9472, Vol. **2(3)**, PP 45-51, **March 2013. (Indexed by Google Scholar)**
6. **Reddy Sreenivasulu & Ch.Srinivasa Rao**, Experimental investigation on influence of Nano fluids in drilling of Al6061 alloy using Grey based-Taguchi Approach, **International journal of Advanced Materials Manufacturing& Characterization** (ISSN:2277-3886), Vol. **3(1)**, PP 407-412, **March, 2013.(Indexed by Cross Ref)**
7. **Reddy Sreenivasulu & Ch.Srinivasa Rao**, Modeling and Optimization of Thrust Force and Torque during Drilling of Aluminum 6061 alloy using Taguchi-Grey Analysis Approach, **International journal of Advanced Materials Manufacturing& Characterization** (ISSN:2277-3886),Vol. 3(1),PP 413-418,**March, 2013. (Indexed by Cross Ref)**
8. **Reddy Sreenivasulu, Mandava Ravikumar**, Aero Space Applications of GFRP Composites: Review, **International journal of Mechanical Engineering Research (IJMER)**, ISSN: 2249-0019, PP 10-14, Vol 3(1) Spl, **March 2013.**
9. **Reddy Sreenivasulu**, Optimization of Surface Roughness and Delamination Damage of GFRP Composite Material in End Milling using Taguchi Design Method and Artificial Neural Network, **Procedia Engineering (Elsevier)** ISSN:1877-7058, Vol 64, pp785-794,**November 2013.(SCOPUS & WoS)**
10. **Reddy Sreenivasulu, Goteti Chaitanya**, Comparative Study on Resistance Spot Welding (RSW) and Friction Stir Welding (FSW) of dissimilar alloys: Review, **International Journal of Advanced Scientific and Technical Research** (ISSN:2249-9954), Issue3,Vol5, pp325-333, **Sept-Oct 2013.**
11. Goteti Chaitanya , **Reddy Sreenivasulu**, NDT Techniques to Investigate Fracture in Continuous Fiber Reinforced Composite Structures- Review, **International Journal of Current Engineering and Technology**(ISSN:2277-4106),Vol3,No4 , pp1271-1275,**October 2013. (Indexed by Cross Ref)**
12. **Reddy Sreenivasulu**, Role of a Teacher in Educating the Engineer of 2020 towards becoming an Entrepreneur in the Development of Indian industry, **Techno Learn, an International Journal of Educational Technology** (ISSN: 2231-4105),Volume 3,Issue 2, PP 163 - 172, **December 2013, By New Delhi Publishers. (Indexed by Google Scholar)**
13. **Sreenivasulu Reddy**, Multi response Characteristics of Machining Parameters during Drilling of Alluminium 6061 alloy by Desirability Function Analysis using Taguchi Technique, **International Journal of Applied Sciences & Engineering (IJASE)** **October**

2013, Issue 2, Volume 1, pp 35 - 44 (ISSN:2321-0745) By New Delhi Publishers. **(Indexed by Google Scholar)**

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Published Books/ Book Chapters in Referred Publishers: 03

1. Reddy Sreenivasulu & Ch.Srinivasa Rao, published a **BOOK CHAPTER** titled “Some investigations on drilling of Aluminium alloys from FEA - based simulation using Deform-3D” published by **SPRINGER NATURE SINGAPUR** with book title “**Advances in simulation, product design and development**”, Chapter -1, pp 3-15, January 2020 under book series **Lecture Notes on Multidisciplinary Industrial Engineering** ISSN: 2522-5022,. Print ISBN: 978-981-329-486-8, Electronic ISBN: 978-981-329-487-5.(**First Online: 07 November 2019**)
2. Reddy Sreenivasulu, published a **BOOK CHAPTER** titled “Smart materials for 4D printing: A review on developments, challenges and applications” by **SPRINGER NATURE SINGAPUR** with book title “**Recent advances in manufacturing, automation, design and energy technologies**”, **Lecture Notes in Mechanical Engineering (LNME)**, ISSN:2195-4356, E-ISSN:2195-4364, https://doi.org/10.1007/978-981-16-4222-7_1, Chapter -1, pp 3-10, 2022. (**SCOPUS**) (**12.10.2021 first online**)
3. Sreenivasulu, R. (2023) published a **BOOK CHAPTER** titled **Optimization of Machining Parameters in Drilling of AA 7075 Alloys Using TOPSIS and Taguchi Method. In: Sivaram, N.M., Sankaranarayananasamy, K., Davim, J.P. (eds) Advances in Manufacturing, Automation, Design and Energy Technologies. ICoFT 2020. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-99-1288-9_2 (**SCOPUS**) (**31 July 2023 first online**) pp 15-23.**

Achievements / Awards for my students:

- Staff Co-Ordinator for Student initiated **Robotics Club**
- Students under my guidance participated 4 Robot events (light follower, line follower, tug of bots, robo soccer) in IIT Jodhpur, during 21st -25th, Feb, **2019**.
- Students under my guidance achieved first place for model PHOTOTRON in IIT Gauwahati , **2018**
- Students under my guidance achieved Second place for model mobile controlled robot in NIT Warangal, **2018**
- Students under my guidance fabricated Solar Eco-Friendly vehicle with INR 50,000/- financial assistance from RVRJCCE management, **2015**

Administrative Experience:

1. Incharge of Time Tables for all departments at Jatipita College of Engineering, Adilabad during 2002-2004.
2. Chief Superintendent of Examinations at S.V.V.S.N Engineering College, Ongole during 2004-2007.
3. Established new laboratories at S.V.V.S.N Engineering College, Ongole during 2004-2007 and designed and developed lab manuals also.
4. Department Co-ordinator for internal examinations, Incharge for first year engineering WorkShop laboratory at R.V.R &J.C.College of Engineering (A).

5. Actively worked along with the team of co-ordinators of various criteria's of NBA & NAAC works in the department level and common criteria works (college level).
6. Hands on experience (academic students counsellor) to mold the students in to the studies while student counselling along with stake holders (parents).

Professional Membership:

1. IAENG ----- 126037
2. IACSIT ----- 80349696
3. SCIEI ----- 20200720002
4. HKSME ----- M20200623001
5. The IRED ----- SNM20210711507

Subjects Taught:

Design of Mechanisms	Design of machine members
Design of Experiments	Automation & CAM
Engineering Mechanics	Robotics & Automation
Engineering Graphics	Engineering Metrology
Fluid Mechanics and Machines	Optimization Techniques
Economics for Engineers	Advanced mechanisms design

Personal Details:

Father's name : Late Sri R.Chinnaiah
Date of Birth : 20-06-1971
Marital Status : Married
Languages Known : English, Telugu, & Hindi
Nationality : Indian

I hereby declare that the above information is true to the best of my knowledge and belief.

Date : 14.03.2024
Place : Guntur



(Dr. Reddy Sreenivasulu)