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Pran-Satva Nilayam,
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ACADEMIC QUALIFICATIONS:

COURSE	UNIVERSITY/COLLEGE/ SCHOOL/AFFILIATION	YEAR OF PASSING
Ph.D	Andhra University, Visakhapatnam.	2022
M.Tech (CAD/CAM)	R.V.R & J.C College of Engineering, Guntur Acharya Nagarjuna University, Guntur.	2007
B.Tech (MECHANICAL)	R.V.R. & J.C. College of Engineering, Guntur Acharya Nagarjuna University, Guntur.	2005
INTERMEDIATE	Vikas Mahila Junior College,A.P	2001
SSC	Vignan High school, Guntur, A.P	1999

DETAILS OF TEACHING EXPERIENCE:**15 Academic Years.**

COLLEGE /UNIVERSITY	POSITION	DATES (FROM - TO)
R.V.R & J.C College Of Engineering(A) Guntur	Asst. Professor	05/12/2007 to till date
LITAM Loyola Institute of Technology And Management ,Dhulipalla.	Asst. Professor	1/06/07 to 03/12/2007

AREAS OF SPECIAL INTEREST:

- Sheet Forming
- Design Concepts
- Robotics
- Computer Aided Design

SUBJECTS HANDLED:

Engineering Graphics; Strength of Materials – I, Elements of Mechanical Engineering, Machine Drawing, Kinematics of Machinery, Dynamics of Machinery, Hydraulic Machines, Computer Aided Design and Design Thinking

GRANTS/PROJECTS RECEIVED:

Title	Funding Agency	Type	Worth	Role	Status
<i>“Flow Forming Behaviour of Extra Deep Drawn Al6061 under Warm Deep Drawing”</i>	UGC FileNo: MRP- 6754(SERO) dated 30-06-2017	MRP	Rs. 3,15,000/-	Principal Investigator.	Completed (2019 December)

REVIEW / EDITORIAL BOARD MEMBER:

Manufacturing Technology, Design and Research Conference (AIMTDR 2018)

-Reviewer, aimtdr2018@annauniv.edu

PUBLICATIONS:

International Journals	International Conference	National Conferences	Total
11	6	2	19

Google Scholar Citations as on 24.08.2023 :

Citationh-indexi10-index		
70	6	1

International Journals:

1. Dhulipalla Swapna, Chalamalasetti Srinivasa rao , Devarakonda Sameer kumar , Sajja Radhika, “Taguchi based GRA-PCA hybrid optimization for the forming of AL6061 alloy in automotive applications”, Sigma J Eng Nat Sci, Vol. 40, No. 4, pp. 742–754, December, 2022
2. Dhulipalla Swapna, Chalamalasetti Srinivasa Rao, “Optimization of punch force and thickness variation in forming of al-mg-si alloys under non-isothermal conditions”. International Journal of Modern Manufacturing Technologies, ISSN 2067–3604, Vol. XII, No. 1 / 2020.
3. Swapna D., Srinivasa Rao Ch., Kumar S., Radhika S. “AHP and TOPSIS based selection of aluminium alloy for automobile panels”, Journal of Mechanical and Energy Engineering, Vol. 3(43), No. 1, 2019, pp. 43-50.M.
4. D. Swapna, Dr. K. Ravindra, M. Gopi, ‘Experimental and Simulation Investigation of Non-Isothermal Uniaxial and Biaxial Deep Drawing Tests for AL6061-T6 Sheet’, International Journal for Research in Applied Science & Engineering Technology, pp:16-28, Vol. 7, Issue 8, ISSN: 2321-9653, Aug 2019.
5. D.Swapna, Dr.S.Radhika. and Y. Naveen, ‘Experimental Analysis to Predict the Formability of Aluminium Aa6061- T6 Sheet Metal at Elevated Temperatures’ International Journal of Recent Scientific Research, Vol. 10, Issue.07(D), pp. 33555-33561, ISSN: 0976 – 8081, July,2019.
6. Krishna Chaitanya , D.Swapna, “FEA Based Optimization of Deep Drawing Parameters for Cylindrical Cup by using Taguchi Method”, International Journal of Engineering Science, Volume 7, Issue 8, August 2017.
7. D.Neha Krishna, S.Radhika, D.Swapna, “Low Level Material Handling Applications using GSM based Wireless Controlled Robot”, Journal of Mechanical Robotics, Volume 2 Issue 2, November 2017.
8. D.Swapna, Ch.Srinivasa Rao and S.Radhika, “A Review on Deep Drawing Process”, International Journal of Emerging Research in Management &Technology, Volume-6, Issue-6, June 2017.
9. S.Radhika, D.Sameer Kumar, **D.Swapna**, “*VIKOR Method for multi criteria decision making in academic staff selection*”, Journal of Production Research and Management (JoPRM), Volume 3, Issue 2, ISSN: 2249 – 4766 JoPRM (2013) 30-35.
10. S. Radhika, **D. Swapna**, P. Manikanta, Sk. Sunain, “*Design of a Compressed Air Vehicle*”, Journal of Refrigeration, Air Conditioning, Heating and Ventilation, Volume 1, Issue 3 pp 1-6.ISSN: 2394-1952.
11. D.Swapna, Ch.Srinivasa Rao and S.Radhika, “*Few Aspects in Deep Drawing Process*”, Journal of Materials & Metallurgical Engineering, Volume 5, Issue 3, ISSN: 2231-3818 (2015).

International Conferences:

1. Radhika.S, Karteeka Pavan.K, Srinivasa Rao.Ch and Swapna D; “Evolutionary Optimization in Master Production Scheduling: A Case Study”, Proceedings of the International Conference on Advanced Engineering Optimization Through Intelligent Techniques (AEOTIT), held during August 03-05, 2018 at SVNIT, Surat, Gujarat, India.
2. Swapna.D, Srinivasa Rao.Ch, Radhika.S, “Formability of Lightweight materials-A review”, International Conference on Advances in Materials and Manufacturing Engineering (ICAMME-2018), Department of Mechanical Engineering ,University College of Engineering & Technology,22nd -24th January 2018.
3. D.Swapna, Ch.Srinivasa Rao, S.Radhika, S.Pavan Kumar, V.Atchyuth Kumar, “ Influence of Process parameters and viscosity on radial stresses of magnesium lithium alloys in fluid assisted deep drawing process”, proceedings of COPEN 10, 2017, organized by IIT Madras during 07-09 December 2017, pp 479-482, ISBN: 978-93-80689-28-9.
4. Radhika Sajja, B.S.Prashanti, P.S.Vineetha, **D.Swapna** and Neha krishna.D: “*Design of GSM based Wireless Controlled Robot*”, Pg 97, Proceedings of the 1st International and 18th ISME Conference (ISME 18) held during February 23 – 25, 2017, at NIT Warangal, Telangana, India.
5. S Radhika, Ch Srinivasa Rao, D Swapna, B Purna Chandra Sekhar, “Teaching Learning Based Optimization Approach for the Development of an Effective Master Production Schedule”, International Journal of Advanced Research in Computer Science and Software Engineering, Volume 7, Issue 5, May 2017.
6. Radhika S, Srinivasa Rao Ch, Neha Krishna D and **Swapna D**: “*Master Production Scheduling for the Production Planning in a Dairy Industry using Teaching Learning based Optimization Method*”, Pgs 860-862, Proceedings of 6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), held during December 16-18, 2016, at College of Engineering, Pune, Maharashtra, INDIA. ISBN 978-93-86256-27-0.

National Conferences:

1. Radhika.S., Srinivasa Rao.Ch and **Swapna.D** :*A Review on MPS Using Meta-Heuristic Methods*” National Conference on Innovations in Engineering & Technology (NCIET) held at Gudlavalleru Engineering College, Gudlavalleru, Pgs 199-205, Proceedings of National Conference NCIET 2013, ISBN: 978-1-4276-5484-7.
2. **D.Swapna**, Ch.Srinivasa Rao , S.Radhika and B.Ravi Raja presented a paper titled -*Deep Drawing Process: A Brief Overview*” in National Conference on Advancements in Metals and Manufacturing Systems (NCAMMS-2015) held at QIS College of Engineering and Technology, Ongole, Pgs12-16, Proceedings of National Conference NCAMMS- 2015 in September 2015.

Workshops/FDP/Seminars/Short term courses attended:

1. Participated in one week National level Faculty Development Program on Cloud Infrastructure organized by R.V.R & J.C. College of Engineering in collaboration with Brainovision Solutions India Pvt Ltd and All India Council for Technical Education (AICTE) from 21st to 25th August 2023.
2. Participated in FDP in “ Women Entrepreneurship Development Program (WEDP)”, held from 21st August-8th September 2023, conducted by R.V.R & J.C.College of Engineering sponsored by Nagarjuna Education Society, Affiliated to ANU.
3. Participated in FDP in “Future scopes for Additive Manufacturing in Industrial and Biomedical Applications”, held from 17th July 2023 to 21st July 2023, organized by Department of Mechanical Engineering, Adithya Engineering College (A).
4. Participated in FDP in “21st Century Skills & Teaching Methodologies”, held from 19th - 22nd December 2022, conducted by Andhra Pradesh State Council of Higher Education (APSCHE), Mangalagriri, A.P., in association with Common wealth Educational Media Centre for Asia (CEMCA) and Andhra Loyola College (A), Vijayawada.

5. Participated in SEBI & NISM sponsored Investor Awareness Program-Financial Literacy for You (FLY) organised by Department of Mechanical Engineering, R.V.R & J.C.College of Engineering from 7th October 2021 to 7th July 2022.
6. Participated in AICTE approved Faculty Development Programme (FDP 201x) on “Pedagogy for Online and Blended Teaching –Learning Process” conducted by Indian Institute of Technology Bombay from September 14 ,2017 to October 12,2017.
7. Participated in AICTE approved Faculty Development Programme (FDP 101x) on “Foundation Program in ICT for Education” conducted by Indian Institute of Technology Bombay from August 3,2017 to September 7,2017.
8. Participated in AICTE recognized Short Term Course on “Optimization using MATLAB through ICT” conducted by Mechanical Engineering Department from 17/7/2017 to 21/7/2017 at R.V.R & J.C. College of Engineering, Guntur.
9. Participated in two week,Faculty Development programme on “ ENTREPRENEURSHIP” sponsored by NSTEDB,Department of Science & Technology Government of India, New Delhi and organised by PSG-STEP during the period November 22- December 3, 2016.
10. Participated in two days workshop on “ *Recent Trends In Manufacturing Technology*”,held during 30th-31th, july 2015 organized by the Department of Mechanical Engineering Under TEQUIP-II,S.C.1.2.
11. Participated in one day national conference on “ADVANCEMENTS IN METALS & MANUFACTURING SYSTEMS (NCAMMS 2015)”,organised by Department of Mechanical Engineering,QIS College of Engineering & Technology, Ongole, on 26th September,2015.
12. Two Day workshop on “*Engineering Drawing* ”, Under TEQIP-II S.C-1.1 organised by Dept of Mechanical Engineering , Malla Reddy Engineering College (A) , Secunderabad on 12th & 13th September 2014.
13. Attended one day national seminar on *Finite Element Methods and its Applications* organised by KKR & KSR ITS , Guntur on 24th Septemeber 2014.
14. Attended workshop on “ *Recent Trends in Fuel Cell Technologies*” held on 26th september 2014 at Centre for Advanced Energy Studies (CAES) ,K.L University

15. Two Day workshop on “*Computational Mecahnics*”, organised by Dept of Civil and Mechanical Engineering , R.V.R.& J.C College of Engineering (A) ,Guntur on 15th & 16th July 2014.
16. Attended the DST sponsored two day national seminar FTNCF-2013 at R.V.R. & J.C. College of Engineering ,Guntur during 06-07, September 2013.
17. Attended the UGC sponsored two day national seminar “SEHTPVAS 13” at R.V.R. & J.C. College of Engineering ,Guntur during 21-22, June 2013.
18. Participated in DST sponsored,National Conference on “ *Advances in Mechanical Engineering* (NCAME)”, held at Vignan University on 5th and 6th April,2013.
19. Attended one day national work shop on “*Advanced trends in IC engines and combustion* ” on 28th february 2013 organized by the Department of Mechanical Engineering JNTUH College of Engineering.
20. Participated in the A.P Pollution Board sponsored one day national seminar on ‘Management of Environmental Pollution’ organised by the department of Chemistry at R.V.R. & J.C. College of Engineering ,Guntur on 22nd March 2011.
21. Attended the “*Induction Training For Young Faculty*” organised by ISTE Chapter, R.V.R. & J.C. College of Engineering ,Guntur during 07-08 September 2009.
22. Attended the AICTE sponsored two day national seminar on “*Micro Machining*” at R.V.R. & J.C. College of Engineering ,Guntur during 19-20, December 2008.
23. Participated in ISTE course on “*Induction Training For Young Faculty*” organised by ISTE Chapter, R.V.R. & J.C. College of Engineering ,Guntur during 25-26 July 2008.

PROJECTS GUIDED:

Guided students of Mechanical Engineering Discipline in various projects involving the basic Mechanical components and elements using computer software, optimization methods.

M.Tech : 4

B.Tech : 15

PROFESSIONAL SOCIETIES:

Life Member of ISTE;

Member of the Institution of Engineers (MIE)

Member of IAENG;

Member of IAEST;

ACHIEVEMENTS:

Was Sanctioned with an amount of rupees 60,000/- (sixty thousand only) for• conducting three Entrepreneurship Awareness Camps (EACs') for students of our college, under the Department of Science and Technology-National Implementing and Monitoring Agency for Training (DST-NIMAT) Project 2018-19.

OTHER RESPONSIBILITIES HANDLED:

- An active member of the college **Sports committee**, organising various competitions for the entire Lady faculty of the college.
- Discharged duties as committee member of **Women's Welfare Committee** of R.V.R & J.C.C.E (2023)