

Personal Information

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ANDHRA PRADESH.

Associate Professor, Department of Mechanical Engineering, R.V.R. & J.C. College of Engineering, Guntur (Since 2007)

ACADEMIC QUALIFICATIONS

- Ph.D. in Mechanical Engineering from Andhra University, Visakhapatnam
- M.Tech in CAD/CAM from R.V.R. & J.C. College of Engineering, Guntur
- B.Tech in Mechanical Engineering from R.V.R & J.C.O.P College of Engineering, Guntur
- Intermediate from JKC College , Guntur
- SSC from L.E.M. High school, Guntur

TEACHING EXPERIENCE

- 15 years

INDUSTRY EXPERIENCE

- Worked in the Design department of Videocon International Ltd, Aurangabad, Maharashtra (1995-1996)

AREAS OF SPECIAL INTEREST

- Finite Element Analysis
- Evolutionary Algorithms
- Optimization
- Production Scheduling
- Robotics
- Operations Research
- Computer Integrated Manufacturing

PUBLICATIONS

International Journals	International Conferences	National Conferences	Total
11	5	2	18

International Journals

1. 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).
2. B. Purna Chandra Sekhar, **S. Radhika**, D. Sameer Kumar, “*Powder Mixed Dielectric in EDM -An overview*”, International Journal of Research Vol 2(2), Feb 2015, pp 720-726, ISSN: 2348-6848.
3. **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, 2015, pp 1-6.ISSN: 2394-1952.
4. **Radhika Sajja**, Srinivasa Rao Chalamalasetti, “*A selective survey on multi-objective meta-heuristic methods for optimization of master production scheduling using evolutionary approaches*”, Int. J. Adv. Appl. Math. And Mech. Vol.1, No.3 (2014), pp 109 - 120, ISSN: 2347-2529.
5. **Radhika.S** and Rao C. S. “*A New Multi-Objective Optimization of Master Production Scheduling Problems Using Differential Evolution*”, International Journal of Applied Science and Engineering, Vol.12, No.1 (2014), pp.75-86. ISSN 1727-2394.
6. **S. Radhika**, Ch. Srinivasa Rao, K. Lakshmi Chaitanya, M. Vijaya: “*Evolutionary Optimization in MPS: A Brief Review*”, Journal of Production Research and Management, Vol.4, No.1 (2014), pp 13 - 21. ISSN: 2249 - 4766.
7. D.Sameer Kumar , **S. Radhika** , K.N.S. Suman , “ *MADM Methods for Finding The Right Personnel in Academic Institutions*” , International Journal of u- and e- Service, Science and Technology Vol.6, No.5 (2013), pp.133-144 <http://dx.doi.org/10.14257/ijunesst.2013.6.5.12>

8. **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.
9. **Radhika.S.**, Rao, C. S., and Pavan, K. K. : “*A Differential Evolution based Optimization for Master Production Scheduling Problems*”, International Journal of Hybrid Information Technology Vol.6, No.5 (2013), pp.163-170 <http://dx.doi.org/10.14257/ijhit.2013.6.5.15>
10. **Radhika. S.**, Rao, C. S. and Pavan, K. K. : “*A study and performance evaluation of evolutionary optimization techniques for multi-objective master production scheduling problems*”, Journal of Production Research and Management Volume 3, Issue 2(2013), pp 12-22. ISSN: 2249 - 4766.
11. D.Sameer Kumar , **S. Radhika** , K.Ravindra, K.N.S. Suman, “*Improved Design Optimization of a Composite Leaf Spring using Swarm Intelligence*”, International Journal of Applied Engineering Research, ISSN 0973-4562, Volume 6, Number 2 (2011) pp. 193-200.

International Conferences

1. **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.
2. **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.
3. **Radhika S**, Srinivasa Rao Ch, Neha Krishna D and Karteeka Pavan.K: “*Multi-Objective Optimization of Master Production Scheduling Problems using Jaya Algorithm*”, Pgs 1729-1732, 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.

4. **Radhika S**, Manikanta.P and Sunain.Sk: “*Design of a Compressed Air Vehicle*”, Pg 98, Proceedings of the International Conference on Environment and Energy (ICEE-2104), held during 15-17 December, 2014, at JNTU Hyderabad, Telangana, India. ISBN: 978-93-81212-96-7.
5. **Radhika.S**, Srinivasa Rao.Ch and Karteeka Pavan.K.; “*A New Teaching-Learning-Based Optimization Method for Multi-Objective Optimization of Master Production Scheduling Problems*”, Pgs 459-463, Proceedings of the International Conference on Advanced Engineering Optimization Through Intelligent Techniques (AEOTIT), held during July 01-03, 2013 at SVNIT, Surat, Gujarat, India.

National Conferences

1. D.Swapna, Ch.Srinivasa Rao , **S.Radhika** and B.Ravi Raja: “*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.
2. **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 Gudlalleru Engineering College, Gudlalleru, Pgs 199-205, Proceedings of National Conference NCIET 2013, ISBN: 978-1-4276-5484-7.

Workshops/Seminars/Short term courses attended:

- Attended one week Short term Course of the NITTTR ICT based STC on “Artificial Neural networks and Fuzzy Logic” during 24-28 April, 2017.
- Attended the “Orientation workshop for top 253 participants (performers) of Use of ICT in Education for Online and Blended Learning” during 25-26 March 2017 at IIT B, Mumbai.
- Attended a Two week Faculty Development Programme on “Entrepreneurship”, organized by PSG-STEP, during 21st November- 2nd December 2016, at PSG College of Technology, Coimbatore, Tamilnadu.
- Attended AICTE approved 4-week FDP on “Use of ICT in Education for Online & Blended learning” conducted by IIT Bombay during 2nd May-10th July 2016.

- Participated in a 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.
- Attended one day national seminar on *Finite Element Methods and its Applications* organised by KKR & KSR ITS, Guntur on 24th September 2014.
- Two Day workshop on “*Computational Mechanics*”, organised by Dept of Civil and Mechanical Engineering, R.V.R. & J.C College of Engineering (A), Guntur on 15th & 16th July 2014.
- 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.
- 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.
- Have taken One week Short Term Training Programme on “*Advanced Engineering Optimization Through Intelligent Techniques (AEOTIT)*” at SVNIT Surat, Gujarat during 07-11 January 2013.
- 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.
- 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.
- 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.
- 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.

PROFESSIONAL SOCIETIES

- ❖ Member of the Editorial board for
 - Journal of Mechanical and Mechanics Engineering,
 - Journal of Recent Activities in Production,
 - Journal of Mechanical Robotics
- ❖ Life Member of ISTE;
- ❖ Member of the Institution of Engineers (MIE)
- ❖ Member of IAENG;

- ❖ Member of IAEST;
- ❖ Member of Universal Association of Mechanical and Aeronautical Engineers (UAMAE)

ACADEMIC ACHIEVEMENTS

- Was one amongst the Top Performers of the 4-week FDP on “Use of ICT in Education for Online & Blended learning” conducted by IIT Bombay, during 2nd May-10 July 2016.
- Recipient of the **Award of Excellence (SAP fellowship award)** from IIT Bombay in October 2016.
- **Topped** the M.Tech (CAD/CAM) 2005-2007 batch of Acharya Nagarjuna University.
- Won **academic excellence** awards for two consecutive years (2006 & 2007)
- Was elected as school people leader once and twice as a Lady Representative during schooling at LEMH school, Guntur.

OTHER RESPONSIBILITIES HANDLED

- Recognized as an **Associate Faculty** by the IITB-NMEICT, under T10kT project to help in the conduct of ICT based FDPs in future (from March 2017).
- Had **co-chaired** the Session IVF, on Metal Cutting, on 17th December 2016 at AIMTDR 2016, organized by the Department of Production Engineering and Industrial Management, College of Engineering, Pune (COEP), Maharashtra.
- Successfully organised and coordinated a Two day National Seminar, “**March to Make in India through Engineering Advancements**” (MMIEA) during 29-30 September, 2016.
- Delivered a Guest lecture on “**Evolutionary algorithms DE and TLBO**”, in a Three day National workshop on COMPUTATIONAL RESEARCH USING MATALAB (CRUM) organized by the Department of Mechanical Engineering, Rama Chandra College of Engineering (RCCE), on 11th November 2016.
- As an active member of the college **Sports committee**, not only organises various competitions for the entire Lady faculty of the college but also have been bagging few prizes in the AP State College Teachers Shuttle Badminton Competition since 5 years. (2011-2017)
- **Organizing secretary of Club Waltz** (dance club), which comes under the wing of Literary and Cultural Committee. (2010-2015)

- Organised and conducted “Mr.& Miss Mech Mantra” contest in National Level Technical students meet, ***Mech Mantra*** for 7 consecutive times.
- Discharged duties as **Co-ordinator** for Cultural events in “***COLORIDOS***”, a National Level Cultural and Sports fest of R.V.R. & J.C.C.E (December 2011), held as part of Silver Jubilee Celebrations.