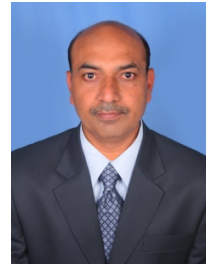


Dr. N.Sateesh (ID-1207)

Professor, Department of Mechanical Engineering

Qualification: Ph.D (Mechanical Engineering) - OU, Hyderabad, 2010,
M.Tech. (CAD/CAM) - JNTUH, Hyderabad, 2002,
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Research interests: CAD/CAM, Composite Materials, Modeling and Simulation and Rapid Prototyping.

Journal Publications/Conference Proceedings: 31

Dr. N. Sateesh graduated in Mechanical Engineering from Nagarguna University AP, 1992. He has done his master degree from JNTUH, Hyderabad 2002 in CAD/CAM specialization. He has awarded doctorate degree in Mechanical Engineering from Osmania University, Hyderabad, 2010. He has 6 years of industrial experience and 15 years of experience in teaching and research. His area of research in CAD/CAM, Composite materials, Modelling and Simulation. He has published more than 25 papers in international journals and conferences. Presently he is working as Professor in this institution.

PAPERS PUBLISHED

I. INTERNATIONAL JOURNALS:

1. **N. Sateesh** and C.S.P. Rao, Design Optimization and Manufacturing of Plate-Cams using NURBS, International Journal for Manufacturing Science and Technology (IJMST), Publisher: Advance Manufacturing Solutions Co Ltd., Toledo Ohio USA, 2005, Vol. 8, No.1,pp. 45-58.(Impact factor:1.3210)
2. **Sateesh, N.**, Rao, C.S.P. and Janardhan Reddy, T.A., Optimization of Cam-Follower Motions using B-Splines, International Journal for Computer Integrated Manufacturing (IJCIM), Publisher: Taylor & Francis, England, June 2009,Vol.22 No.6, PP. 515-523.(Impact factor: 1.019)
3. S. Dheeraj, **N. Sateesh**, A.L. Choudhary and U.D. Joshi, Application of Porous Material (Zeolite γ) In Water Treatment, International Journal of Materials Science (IJoMS), Publisher: Research India Publications, 2010, Vol.5 No.6, PP. 839-846.
4. **N. Sateesh**, Bio-Diesel from Mustard Oil: A Renewable Alternative Fuel for Small Diesel Engines, Modern Mechanical Engineering (MME), Publisher: Scientific Research, 2011, 1, PP.77-83.
5. **N.Sateesh**, Design and Development of a Competitive Low-Cost Robot Arm with Four Degrees of Freedom, Modern Mechanical Engineering (MME), Publisher: Scientific Research, 2011, 1, PP. 47-55.
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8. **N.Sateesh**, Improvement in Motion Characteristics of Cam-Follower Systems Using NURBS, International Journal on Design and Manufacturing Technologies, Chennai, India July, 2014, Vol8, Issue 2. (ISSN No. 0973-9106), pp.15-21.
9. Eshwara K. Prasad, Raman R. Goud, Swadesh Kumar Singh, and **N. Sateesh**, Construction of Strain Distribution Profiles of EDD Steel at Elevated Temperatures, International Journal of Chemical, Molecular, Nuclear, Materials and Metallurgical Engineering Vol:9, No:12, 2015, pp. 1320-1326, World Academy of Science, Engineering and Technology(**Impact Factor=2.215**)

II. INTERNATIONAL CONFERENCES:

1. **N. Sateesh**, C.S.P. Rao, and T.A. Janardhan Reddy, Optimization of Cam-Follower Motion using B-spline Polynomials, 17th International Conference on Flexible Automation and Intelligent Manufacturing (FAIM-2007), , Philadelphia, U.S.A, June 18-20, 2007, Vol. 1, pp. 205-210.
2. **N. Sateesh**, C.S.P. Rao, and T.A. Janardhan Reddy, Synthesis of Cam-Follower Velocity Profile using B-spline, International Conference on Advanced Design and Manufacturing (ICADM-2007), Sethu Institute of Technology, Tamilnadu, India, 9-11, August 2007, pp. 398-402.
3. **N. Sateesh**, C.S.P. Rao, T.A. Janardhan Reddy, and A Padmarao, Optimization of Plate Cam Size, International Conference on Fascinating Advancement in Mechanical Engineering (FAME-2008), Mepco Schelenk Engineering College, Sivakasi, Tamilnadu, India, 11-13, December, 2008, pp.381-386.
4. **N.Sateesh**, C.S.P. Rao, K.Prashanth Reddy, and R.Raman Goud, Design of Cam-Follower Mechanisms Using Rational B-Splines, International Conference on Advanced Materials and Manufacturing Technologies (AMMT), JNTUH, Hyderabad, India, 18-20, December, 2014, pp. 184-192.
5. Pudiri Madhu, **N.Sateesh**, Neela Praveen, and Karampuri Satish, Modeling and Simulation of Fins for 150cc Engine, 1st International Conference on Advances in Engineering, SITICAiE-2015, S. P. B. Patel Engineering College and Saffrony Institute of Technology, Ahmedabad, India, 22-23, January 2015, pp.24-28.
6. **N.Sateesh**, P.Sampath Rao, D.V.Ravishanker, and K. Satyanarayana, Effect of Moisture on GFRP Composite Materials, 4th International Conference on Materials Processing and Characterization Elsevier-Material today Proceedings 2 (2015) pp.2902-2908.
7. M. Ashok Kumar, A.M.K. Prasad, D.V. Ravishankar, **N. Sateesh**, and D. Ravi, Effect of indenter displacement on angle plied composite plates subjected to quasi-static loading, 4th International Conference on Materials Processing and Characterization Elsevier-Material today Proceedings 2(2015) pp. 2938 – 2943.
8. V.Balaji, **N.Sateesh**, and M.Manzoor Hussain, Manufacture of Aluminium Metal

Matrix Composite (Al7075-SiC) by Stir Casting Technique, 4th International Conference on Materials Processing and Characterization (IJMPC-2015), Elsevier-Proceedings 2 (2015) 3403–3408.

9. **N.Sateesh**, C.S.P. Rao, K.Satyanarayana, and C.Rajashekar, A Design System for Complex Profiles of Machine Members Using a Synthetic Curve, 18th International Conference on Sustainable Urban Environment (ICSUE-2016), 4-5 February 2016 World Academy of Science, Engineering and Technology, Melbourne, Australia, pp.369-372.
10. K.Satyanarayana, **N.Sateesh,A.** and A. Venugopal "Experimental Studies on the Effect of Rake Angle on Turning Ti-6Al-4V with TiAlN Coated Carbides" in an International Conference Titled "18th International Conference on Mechanical, Automotive & Aerospace Engineering." 4-5 February 2016, World Academy of Science, Engineering and Technology, Melbourne, Australia, pp.434-438
11. L. Siva Rama Krishna , Natrajan Mahesh, and **N.Sateesh**, Topology optimization using solid isotropic material with penalization technique for additive manufacturing, 5th International Conference on Materials Processing and Characterization (IJMPC-2016), Elsevier-Proceedings, 12-13th March 2016 –Accepted
12. Kundavarapu Vengalrao, Kopparthi Phaneendra Kumar, D.V.Ravi Shanker, Nadendla Srinivasababu, and **N.Sateesh**, An Investigation on RTM Process Parameters and their Influence on Impact Failure Behavior of FRP Laminates 5th International Conference on Materials Processing and Characterization (IJMPC-2016), Elsevier-proceedings, 12-13th March 2016-Accepted.
13. V.Rajesh, P.M. V Rao, and **N.Sateesh**, Investigation of Carbon Composites Subjected to Different Environmental Conditions 5th International Conference on Materials Processing and Characterization (ICMPC-2016), Elsevier-Proceedings, 12-13th March 2016-Accepted.

III.NATIONAL CONFERENCES:

1. D.V. Ravishanker, Dr. P. Ram Reddy, M.A.S. Srinivasulu, C. Karthik, and **N. Sateesh**, Achieving safety and weight reduction in automobiles with application of composite materials (An experiment on leaf spring) National seminar on Modern Trends in Automobile (NSMTA-2002), in Rajarambapu Institute of Technology, Rajaramnagar, Sakharale, Dist: Sangli (MS), India, 1-2 August, 2002, pp.162-165.
2. **N.Sateesh**, Development of an integrated system for cam profile generation and manufacturing using SLS process, IV National conference on Trends in Mechanical Engineering (TIME'2010) held on 30th December 2010, P34-39.
3. **N. Sateesh**, C.S.P. Rao, and T.A. Janardhan Reddy ,Design of Cam-Follower Motions using Bezier Polynomials, National Conference on Factory Automation Robotics and Soft Computing (FARSC-2007), National Institute of Technology, Warangal, India, 18-19 January, 2007, pp.333-336.
4. **N.Sateesh**, Design, Fabrication and Analysis of Catalytic Converter, National Conference on State of the Art Technologies in Mechanical Engineering (NCSAME-2006), JNTUH, Hyderabad, India, 5-6 May, 2006, pp.350-355.

5. **N. Sateesh**, C.S.P. Rao, and T.A. Janardhan Reddy, Integrated Design and Analysis of Disc Cams, National Conference on Recent Advances in Manufacturing Engineering (RAMT'06), Velammal Engineering College, Chennai (Tamilnadu), India, 3rd Feb 2006, pp. 207-212.
6. **N.Sateesh**, M.Chandra Sekhara Reddy, and L. Syam Sundar, Improvement in Motion Characteristics of Cam-Follower Systems, National Conference on Computer Applications in Mechanical Engineering (CAME-2005), J.N.T.U College of Engineering, Anantapur (A.P.),India, 21st Dec 2005, pp. 25-29.
7. M.Chandra Sekhara Reddy, **N.Sateesh**, and A. Padma Rao, A CAD/CAM System for Optimization of Plate-Cam Size, National Conference on Computer Applications in Mechanical Engineering (CAME-2005),J.N.T.U College of Engineering, Ananthapur (A.P.),India, 21st Dec 2005, pp. 30-34.
8. **N.Sateesh**, Integrated System for Design of Disc Cams, National Conference on Advances in Mechanical Engineering Sciences (NACAMES-04), Sri Siddhartha Institute of Technology, Tumkur (Karnataka), Sept 24-25, 2004, pp 31-36.
9. **N. Sateesh**, C.S.P. Rao, and T.A. Janardhan Reddy, Computer Aided Design and Manufacturing System for Cylindrical Cams, National Conference on Advanced Materials and Manufacturing Techniques (AMMT), JNTU College of Engineering, Hyderabad and CITD, Hyderabad, 8-9, March, 2004 pp. 144-149.

Sl.No	Workshop/FDP/Conference	2013-14	2014-15	2015-16
1	Workshop on MEMS and NEMS(Design and Fabrication) Organized by IIT Hyderabad	-	5 days 15-19 Dec 2014	-
2	International Conference on Advanced Materials and Manufacturing Technologies(AMMT) Organized by JNTUH, Hyderabad	-	3days 18-20 December 2014	-
2	Metallurgy for NON-METALLURGISTS (Organized by Mahatma Gandhi Institute of Technology)	-	3days 29-30 Jan 2015	-
3	FDP on "Additive Manufacturing" (organized by GRIET, Hyderabad)	-	3 days 25-27 March 2015	-
4	FDP on "Guide to a passionate teacher"	-	6days 29 June-4 July 2015	-
5	Best Practices in Teaching-Learning Methods and NBA Accreditation Process (Organized by Engineers Staff College of India, Hyderabad)	-	-	3days 24-26 August 2015
6	FDP programme on "Advancements in MEMS and NEMS Technologies"	-	-	3days 19-21 Nov 2015
7	18 th International Conference on Sustainable Urban Environment(by WASET), Melbourne, Australia	-	-	2days 4-5 Feb 2016