

Curriculum Vitae

YELLAPRAGA NAGA VENKATA SAIRAM

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WEB OF SCIENCE ID:

<https://publons.com/researcher/4092333/yellapragada-naga-venkata-sairam/>

VIDWAN ID:

<https://vidwan.inflibnet.ac.in/myprofile>

RESEARCH GATE ID:

https://www.researchgate.net/profile/Yellapragada_Naga_Venkata_Sairam

ACADEMIC QUALIFICATIONS:

COURSE	UNIVERSITY/COLLEGE/ SCHOOL/AFFILIATION	YEAR OF PASSING
PhD	ANNAMALAI UNIVERSITY ,CHIDAMBARAM	Pursuing
M.Tech (MACHINE DESIGN)	GITAM INSTITUTE OF TECHNOLOGY,GITAM UNIVERSITY VISAKHAPATNAM	2014
B.Tech (MECHANICAL)	CHIRALA ENGINEERING COLLEGE,CHIRALA	2012

DETAILS OF TEACHING EXPERIENCE:

COLLEGE /UNIVERSITY	POSITION	DATES (FROM - TO)
R.V.R & J.C College Of Engineering Guntur	Asst. Professor	02/08/2014 to till date

AREAS OF INTEREST:

Fabrication and Analysis of Composite Materials, Coating technology.

SUBJECTS HANDLED:

Metallurgy & Material Science, Casting, Forming & Welding Technology, Element of Mechanical Engineering, Manufacturing Engineering, Engineering Graphics, Engineering Mechanics, Research methodology, Economics for engineers, Industrial management, Human resource management and organizational behaviour, Python for data science.

Patents:

Published a patent on “HUMANOID ROBOT: INTELLIGENT HUMANOID ROBOT THAT INCLUDES A TORSO, A PAIR AN ARMS,TWO HANDS, A NECK, HEAD, AND LOGIC”, on 4-12-2020 at IPR INDIA.

PAPER PRESENTATIONS IN CONFERENCES AND JOURNALS

1. Yellapragada Naga Venkata SAIRAM, Tara Sasanka cherukuri, Hari Prasad kurra,a short review on magnesium alloys in multiple domains,Sigma Journal of Engineering and Natural Sciences,Issue: Name: October, Year: 2023, Volume: 41, Issue: 5, (OCT 2023), pp:1062-1069.DOI: 10.14744/sigma.2023.00120 (WOS,SCOPUS)
2. Mohammad Hasheer Shaik, Srinivas Kolla, Bala Prasad Katuru, Yellapragada Naga Venkata Sairam,Theoretical Investigation Of Low Gwp Refrigerant Mixtures As An Alternative To R-134a In A Domestic Refrigerator,Sigma Journal of Engineering and Natural Sciences,Issue: Name: October, Year: 2023, Volume: 41, Issue: 5, (OCT 2023), pp:969-979,DOI: 10.14744/sigma.2023.0011 (WOS,SCOPUS)

3. Md.Hasheer SK , Srinivas.K ,Yellapragada,S.R,Theoretical exploration of low GWP refrigerant mixtures as replacement to HFC-134A in a vapour compression refrigeration system, journal of thermal engineering(WOS,SCOPUS)
<https://jten.yildiz.edu.tr/storage/upload/pdfs/1690640198-en.pdf>
4. Srividya, Kode ; Reddy, Seelam Pichi ; Yellapragada, Naga Venkata Sairam,Optimization of Process Parameters for Preparation of Lanthanum Hexa-Aluminate Powders Using Combinatorial Approach of Taguchi-GRA and ACO Methods,Annales De Chimie-Science Des Materiaux Feb,2023,<https://doi.org/10.18280/acsm.470106> (WOS,SCOPUS)
5. Yellapragada, N.V.S.R,Madala, V.S.K,Devarakonda, S.K, Dasari, K.R,Mohammad, H.S,Application of Taguchi - PCA/GRA Method to Optimize the Wear Behaviour of Polyester/Carbon Fibre Composites,Revue des Composites et des Materiaux Avancesthis link is disabled, 2023, 33(2), pp. 65–73.
<https://doi.org/10.18280/rcma.330201> (WOS,SCOPUS).
6. YNV SaiRam, C.Tarasasanka, J Prabakaran, Mechanical and Tribological Studies on AZ91E Magnesium alloy reinforced with Lanthanum Hexa-aluminate nano particles , Arabian Journal for Science and Engineering (SCIE INDEXED,SCOPUS,WEB OF SCIENCE) Impact factor: 2.53
7. YNV SaiRam, C.Tarasasanka, J Prabakaran, Optimization of Dry-Sliding Wear Parameters on Lanthanum Hexa- Aluminate Reinforced Magnesium AZ91E Composites Using Grey Relation Analysis, Nano Hybrids and Composites ,ISSN: 2297-3400, Vol. 35, pp 55-73(ESCI,WEB OF SCIENCE).
8. YNV SaiRam, C.Tarasasanka, J Prabakaran, Application of MADM Methods for the Synthesis of Alumina/Lanthanum Hexa-aluminate Powders by Chemical Precipitation and Filtration Method, IOP Conference Series: Materials Science and Engineering 1185 (1), 012001.
9. Sai Kumar M.V., Sai Ram Y.N.V. (2022) Tribological Behaviour of Carbon Fiber Reinforced Polyester Composites. In: Kumari R., Majumdar J.D., Behera A. (eds) Recent Advances in Manufacturing Processes. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-16-3686-8_1
10. Krishna Vamsi A.A., Dheeraj Kumar S., Sai Ram Y.N.V. (2022) Tribological Behaviour of Silicon Carbide Reinforced AA2024 Composites. In: Kumari R., Majumdar J.D., Behera A. (eds) Recent Advances in Manufacturing Processes. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-16-3686-8_2

11. Y.N.V.Sairam presented a paper on 'Preparation and Characterization of Lanthanum Hexa aluminate Powders for High temperature Applications' at The International Conference on Recent Trends in Metallurgy, Materials Science and Manufacturing (IMME19) is organized by the Department of Metallurgical and Materials Engineering, National Institute of Technology Tiruchirappalli..during 27-28,Dec ,2019.
12. Sai Ram, Y.N.V., Tarasasanka, C., Prabakaran, J., 2020, Preparation and characterization of lanthanum hexa aluminate powders for high temperature applications, Materials Today: Proceedings, 39, pp. 1472–1475.<http://dx.doi.org/10.1016/j.matpr.2020.05.368>.
13. Y.N.V.Sairam, C.Tara Sasanka, Prabakaran Jayaraman, Sameer Kumar Devarakonda, 'Estimation of Lattice Strain in Lanthanum Hexa Aluminate Nanoparticles Using X-Ray Peak Profile Analysis', Revue des Composites et des Matériaux Avancés-Journal of Composite and Advanced Materials 31 (1),13-19, 2021(SCOPUS,WOS). <https://doi.org/10.18280/rcma.310102>
14. Y.N.V.Sairam presented a paper on 'Sliding Wear Behavior of WC-Co Coatings on Mild Steel Substrate' at a National Conference on emerging trends of advanced functional materials (NCAFM 2015) organized by Dept of Physics, KLU, during 3-4 Sept, 2015.
15. Y.N.V.Sairam, Dr. Syed Kamaluddin, Dr. Shabana, Ch. Devraj and P. Mastan Rao 'Sliding Wear Behavior of High velocity oxyfuel sprayed WC-Co Coatings in International Journal of Advanced Science and Technology, Vol.93 (2016), pp.45-54.
16. Y.N.V.Sairam and K. Hariprasad, 'Fabrication and Characterization of AA2024 Composites' in International Journal of Research ISSN: 2348-6848 Volume 04 Issue 08, pp 139-145.

WORKSHOPS ATTENDED:

- **Ynv Sai Ram** participated in the Five Day online Faculty Development Program on **Thermal Science and Materials Engineering** Organized by the Department of Mechanical Engineering, Srinivasa Ramanujan Institute of Technology, Ananthapuramu from 07 - 11 November 2022.
- **Y N V Sai Ram** , participated in one week FDP on "**Hybrid Electric Vehicles**" Jointly organized by the Departments of Mechanical Engineering of GMR Institute of Technology, Rajam and Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada during 21st -25th November 2022.
- **YNV Sairam**, Assistant Professor of department of Mechanical Engineering of R.V.R & J.C College of Engineering, participated and successfully completed 1week FDP on "**Outcome Based Education And Bloom's Taxonomy**", by the Internal Quality Assurance Cell of Auxilium College (Autonomous), Vellore in association with ipsr solutions limited during, 22-27 November 2021 (6 days)

- Attended an AICTE Sponsored Two weeks On-line FDP on **Research methodology, Design of Experiments for Engineers and Researchers**, organized by Department of mechanical engineering RVR &JCCE, from Dec **7-19 2020**.
- Attended an One Week Online Short Term Course on “**Hybrid Manufacturing Processes: Opportunities and Challenges**” Organized at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, India from **06 - 10 July, 2020** under TEQIP-III.
- Attended an Short Term Training Programme through ICT Mode on **Theory of CNC Machines** organised by NITTR Kolkata from July **06-10,2020**
- Attended a webinar on “**Major Challenges in Auto component Industries post COVID 19**” conducted by Department of Mechanical Engineering Chennai Institute of Technology Kandrathur, Tamil Nadu, India on May 07,2020.
- Attended an online webinar on “**Research publications, process ,credentials and outcomes**” on May 09,2020 organized by BITS college of Engineering,Visakhapatnam.
- Attended an online webinar on “ **3D Printing Applications in Fighting with COVID-19** “ on May 09,2020 hosted by Department of Mechanical Engineering - Sri Sai Ram Institute of Technology,chennai .
- Attended an online webinar on “**A Webinar on Virtual Classroom Management using Microsoft Teams**” on 11th May,2020 conducted by Department of computer science Lakireddy Bali Reddy College Of Engineering,Mylavaram.
- Attended an online webinar on “**Development and Characterisation of composite Materials**” during 25th-29th May,2020 hosted by Department of Mechanical Engineering Lingayas Institute Of Management And Technology,Vijayawada.
- Attended a Workshop on “**Two Dimensional materials :Physics and applications**” during 21-26, September 2019” conducted by Department of physics, IIT Madras.
- Attended a faculty development program on “**3D Experience –System Engineering ,Delmia & Simulia**” conducted by APSSDC with association with Dassault systems at Dassault systems 3D PLM office ,Pune during 23-25 Jan,2020.
- Attended a faculty development program on “**Automotive Structures design using Catia**” conducted by APSSDC with Association with Dassault systems during 30th April to 2nd May,2020.
- Attended a Workshop on “**Advanced Mechanical Micromachining Techniques for Miniaturization of Products and Processes**” during January 14-19, 2019” conducted by Department of mechanical engineering, IIT Madras.
- Attended a AICTE sponsored Induction/Refresher Programme on **Research Methodology, Design and Analysis of Experiments** organized by Department of mechanical engineering .RVR&JC College of Engineering during 12-17 Nov 2018.
- Attended a short term course on **Aircraft Stealth technology organized by Department of Aerospace**, IIT Bombay during 9-14, Nov, 2017.

- Attended two day Induction Training Programme (ISTE) 1 – 2 May, 2015 conducted by R.V.R.& J.C College of Engineering, Guntur.
- Attended AICTE Sponsored Short Term Course on “**Digital Optical Measurements: Digital Photo elasticity and Digital Image Correlation**” during 12 – 17 Sept., 2016 conducted by Department of Applied Mechanics, IIT Madras.
- Attended a Workshop on “**Digital Photo elasticity using DigiTFP**” on 18, Sept2016 conducted by Department of Applied Mechanics, IIT Madras.
- Attended a faculty development program on **CATIA V5** conducted by APSSDC and NBKR Institute of Science and Technology during 10-15 April,2017.
- Attended a short term course on ‘**Product Design And Development Through ICT**’ 6 – 10 November, 2017 organized by Mechanical engineering department and National Institute of Technical Teachers Training and Research (NITTR) , Chandigarh at R.V.R & J.C college of engineering

ATAL CERTIFICATION COURSES :

1. **YNV Sairam**, Assistant Professor of RVR and JC college of engineering has successfully participated & completed AICTE Training And Learning (ATAL) Academy Faculty Development Program on **AI Tools for Educators in line with OBE** at Bapatla Engineering College from 20/11/2023 to 25/11/2023.
2. **YNV Sairam**, Assistant Professor of RVR and JC college of engineering participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP from 13/09/2021 to 17/09/2021 at Sree Vidyanikethan Engineering College.
3. **YNV Sairam**, Assistant Professor of RVR and JC college of engineering participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Environment and Sustainability: Need of the Day**" from 13/09/2021 to 17/09/2021 at Sree Vidyanikethan Engineering College.
4. **YNV Sairam**, Assistant Professor of RVR and JC college of engineering participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Additive Manufacturing: Current Trends And Prospects Towards Developing AM Research**" from 22/08/2021 to 26/08/2021 at Indian Institute of Technology Kanpur.

CERTIFICATION COURSES COMPLETED:

- Completed NPTEL Online Certification (12 week) course during ‘Jan- April’ 2022, on ‘**The Joy of Computing using Python**’ conducted by IIT Ropar.
- Completed Certification course on “**3D Experience –Platform Explorer**” at the level of Associate Conducted by Dassault systems company,Pune during Jan 25,2020.
- Completed Certification course on “**Effective and Efficient Online Teaching in the Age of Corona A Hands On Workshop**” (both pre and post workshop online activities, involving 3 days of video lectures and hands-on work) during may 23,2020.

- Completed NPTEL Online Certification (12 week) course during ‘July- Oct’ 18, on ‘**Fundamentals of Manufacturing Processes**’ Conducted by IIT Roorkee.
- Completed an AICTE approved Faculty Development Programme (FDP101x) on “**Foundation Program in ICT for Education**” conducted by Indian Institute of Technology Bombay 13th Sept to 18th Oct 2018.
- Completed an AICTE approved Faculty Development Programme (FDP201x) on “**Pedagogy for Online and Blended Teaching-Learning Process**” conducted by Indian Institute of Technology Bombay from Oct 30 to Dec 13, 2018.
- Completed NPTEL Online Certification (8 week) course during ‘July- Sep’ 17, on ‘**Polymer and Polymer matrix composites Processing**’ conducted by IIT Roorkee.
- Completed NPTEL Online Certification (8 week)course during ‘July- Sep’ 17, on ‘**Manufacturing of composites**’ conducted by IIT Kanpur.

MEMBERSHIPS:

PROFESSIONAL SOCIETIES	MEMBERSHIP NUMBER
Member of International Association of Engineers (IAENG)	168006

OTHER DUTIES INVOLVED:

- Acting as Department External examination coordinator.
- Acted as member of College Newsletter Committee at R.V.R & J.C College of Engineering, Guntur-19.
- Acted as a Faculty advisor for design and fabrication of Hybrid Vehicle for Hybrid vehicle challenge-(**HVC2017**) competition organized by Imperial Society of Innovative Engineer at Noida, New Delhi. In this competition, our vehicle secured Third position in all over India.

(Y.N.V.SAIRAM)