

Curriculum Vitae

1. Name : Dr. C. TARASASANKA
2. Date of Birth : 15-08-1982
3. E-mail : tarasasankac@gmail.com
4. Designation : Assistant Professor
5. Department : Mechanical Engineering
6. Name of Institution : R.V.R. & J.C. College of Engineering
7. Field of Specialization : Composites
8. Academic Qualifications:



- **Ph.D on** “Processing of Evaluation of Mechanical and Wear Characteristics of Mg Alloy based MMC” from Acharya Nagarjuna University, Guntur, **2017**
- **M.Tech (CAD/CAM)** from R.V.R & J.C College of Engineering, Guntur in affiliated to Acharya Nagarjuna University, Guntur, **2006**.
- **B.Tech (MECHANICAL)** from Bharathiyar College of Engineering & Technology, Pondicherry University, Pondicherry, **2003**.
- **Diploma in Mechanical Engineering**, from M.B.T.S Govt Polytechnic, Guntur, **2000**

9. Teaching Experience : **13 yrs**
 - Working as Associate Professor in RVR & JC College of Engineering, Guntur from July 2022 onwards.
 - Worked as a Asst. Professor in RVR & JC College of Engineering, Guntur from October 2010 – June 2022.
 - Worked as an Assistant Professor in LITAM from June 2009 to October 2010.
 - Worked as an Assistant Professor in MLWEC from December 2008 to June 2009.
 - Worked as an Assistant Professor in VEC from November 2003 to July 2004.

10. Industrial Experience : **1.5 yrs**

S.No.	Organization / Employer	Designation	Period
1	Gadde Electronics and Computers Pvt. Ltd	Design Engineer	26-10-2006 to 5-5-2008

11. **Areas of Interest:**

1. Composites : Materials , Manufacturing and Mechanics
2. Optimization
3. Robotics

12. Subjects Taught:

- a. **Robotics** [12times]
- b. **Kinematics of Machines** [12times]
- c. **Mechatronics** [4times]
- d. Finite Element Methods [6times]
- e. Machine Drawing [2times]
- f. Engineering Graphics [4times]
- g. Mechanical Measurements & Control Systems [3times]
- h. Refrigeration & Air Conditioning [4times]
- i. Operations Research

13. Research Guidance:

- PhD : 2(Ongoing)
- M.Tech : 5 (Completed)
- B.Tech : 12 (Completed) 2(Ongoing)

14. Online Courses:

- **Use of ICT tools in Education** conducted by IIT, Bombay,2015.
- **IUCEE-EPICS Design Thinking Course** from January2018-July2018.
- E-Learning Program on **Heat Treatment of Steel & Measuring Instruments**, conducted by TATA Steel.
- E-Learning Course “**MATLAB ON RAMP**”, organized by Math works training Services from 27-04-2020 to02-05-2020.

15. Projects received:

- Received Rs 4,36,000/- as a Major Research Project (MRP) entitled “*Design and Fabrication of Nano Al₂O₃ reinforced Magnesium metal matrix Composites*” by UGC as co-investigator[**Completed**].
- Received Rs 40,000/- as an Internal Research project grant for project entitled “*Evaluation and optimization of process parameters during heat transfer of coal water slurry used in Coal Gasification Plant*” as Principal Investigator.[**Completed**].
- Received Rs 4,00,000/- as an Industrial Research project grant for project entitled “*Evaluation and optimization of Process Parameters for Agitation in Concrete Mixing*” by Design Tribe India (P) Ltd. as Principal Investigator. [**Ongoing**].

16. Achievements / Awards:

- Staff Co-Ordinator for Student initiated **Robotics Club**
 - Achieved first place for model PHOTOTRON in IIT Gauwahati ,**2018**
 - Achieved Second place for model mobile controlled robot in NIT Warangal,**2018**
 - Present participating 4 Robot events (light follower, line follower, tug of bots, robo soccer) in IIT Jodhpur, during 21st -25th, Feb,**2019**.
- An incentive of Rs 3000/- was given by the Management of R.V.R & J.C College of Engineering, Guntur for Receiving UGC sponsored research Project.

17. **Books / Book Chapter Published:**

- D. Sameer Kumar and C. Tara Sasanka contributed chapter 10 on “*Magnesium and its Alloys*”, in the book, *Lightweight and Sustainable Materials for Automotive Applications*, CRC press, Taylor and Francis Group, 2017. pp: 329–368 ISBN 9781498756877 - CAT#K27551.

18. **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.

Published a patent on “**MACHINE LEARNING BASED REAL-TIME ROBOTIC INSPECTION PLANNING AND MAINTENANCE SYSTEM FOR INDUSTRIAL EQUIPMENT**”, on 09-02-2024 at IPR, INDIA.

19. **Publications:**

International Journals	National Journals	International Conferences	National Conferences	Total
32	1	8	3	44

ORCIDID : <https://orcid.org/0000-0001-8368-5065>

WOS Researcher ID : [J-1575-2014](https://orcid.org/0000-0001-8368-5065)

Scopus Author ID : [57203907644](https://orcid.org/0000-0001-8368-5065)

GoogleScholarID:<https://scholar.google.com/citations?user=XbkxeiwAAAAJ&hl=en>

VIDWANID : <https://vidwan.inflibnet.ac.in/profile/183664>

Citations & H-Index (as on 14-03-2024):

Indexing	Citations	H-Index	I-10 Index
Scopus	111	5	-
Web of Science	82	4	-
Google Scholar	392	6	5

International Journals:

- 1) J.P.Karthik, K.Lakshmi Chaitanya, C.Tarasasanka, “ *Life assessment of parabolic spring under cyclic stress and cyclic strain using Finite element Method*”, published in **International Journal of Mechanical and Industrial Engineering (IJMIE)**, ISSN No: 2231-6477, vol-2, Issue-1, 2012pp:36-43.
- 2) J.P.Karthik, K.Lakshmi Chaitanya, C.Tarasasanka, “*Fatigue Life Prediction of a Parabolic Spring under Non-constant Amplitude Proportional Loading using Finite Element Method*”, published in **International Journal of Advanced Science and Technology** Vol. 46, September, 2012pp:143-156.
- 3) C.Tara Sasanka, V.Rama Koteswara Rao, K. Ravindra, Ch.Tirumala Rao , “ *Prediction of Transient Response of Isotropic and Laminated Cylindrical Shells Using Artificial Neural Networks*” published in **International Journal of Technological Synthesis and Analysis (IJTSA)** Volume 1 Issue 1 (December 2012), pp:1-6
- 4) V.Suresh Babu, C.Tara Sasanka& K. Ravindra, “*Failure and Stress Analysis of*

- Glass Fiber Reinforced Laminated Composite Pinned Joints*”, published in **International Journal of Advanced Design and Manufacturing Technology**, Vol. 6/ No. 2/ June – 2013, pp: 13-19.
- 5) M. Anjali, **C. Tara Sasanka**, Ch. Deva Raj & K. Ravindra, “*Meta Heuristic Method for the Design Optimization of a Wind Turbine Blade*” published in **International Journal of Current Engineering and Technology**, Special issue-3, April-2014, pp:175- 179.
 - 6) D.Sameer Kumar, **C. Tara Sasanka**, K. Ravindra, KNS Suman, “*Magnesium and Its Alloys in Automotive Applications – A Review*”, **American Journal of Materials Science and Technology**, (2015), Vol.4, No.1, pp.12 – 30. <http://dx.doi.org/10.7726/ajmst.2015.1002>
 - 7) **C.Tara Sasanka** & K. Ravindra, “Implementation of VIKOR Method for Selection of Magnesium Alloy to Suit Automotive Applications”, **International Journal of Advanced Science and Technology**, (2015), vol-83,49-58. <http://dx.doi.org/10.14257/ijast.2015.83.05>
 - 8) D. Sameer Kumar, K.N.S. Suman, **C. Tara Sasanka**, **K. Ravindra**, Palash Poddar, Venkata Siva S.B, “ Microstructure, Mechanical response and Fractography of AZ91E/Al₂O₃(p) Nano Composite fabricated by Semi Solid Stir Casting Method” , **Journal of Magnesium and Alloys**, 2016, DOI: 10.1016/j.jma.2016.11.006. **SCOPUS, SCIE**
 - 9) Tarasasanka C, Ravindra K. Analysis and Characterization of Tensile Property of Mg MMC using ANSYS. **Trends in Mechanical Engineering & Technology**. 2017; 7(1):1–5p.
 - 10) Anusha. K and **Tarasasanka C**, “Analysis and Optimization of Alloy Wheel”, **International Journal of Innovative Research in Science, Engineering and Technology**, 2017, 6(7) : pp:15328-15336.
 - 11) Anusha. K and **Tarasasanka C**, “ Assessment and comparison of different materials for alloy wheels using ANSYS”, **Asian Journal of Science and Technology**, 2017, 8(8), 5285-5292
 - 12) **Tarasasanka, C.**; and Ravindra, K., Application of Taguchi techniques to study dry sliding wear behaviour of magnesium matrix composites reinforced with alumina nano particles. **Journal of Engineering Science & Technology**, 2017, 12(11), 2855-2865. **SCOPUS, ESCI**
 - 13) Snehlita Kilari, **Tara Sasanka C**, and K.G.S.V.Manikanta, “Design and Finite Element Analysis of Disc Brake with different materials for passenger car”, **International Journal for Research Trends and Innovation**, 2018,3(8),pp:114-119.
 - 14) D. Kondala Rao, Srinivas Kolla, **C.Tara Sasanka**, D. Sameer Kumar, “Study of Combined Effect of Inclination and Partial Fins on Melting of Phase Change Material in A Rectangular Enclosure Using CFD”, **Journal of Modeling and simulation of materials**, December, 2018, 1(1), pp:30-38, DOI:<https://doi.org/10.21467/jmsm.1.1.30>
 - 15) Chandra Harsha G, Karthik J.P, **Tarasasanka C**, “Optimization of Multiple Performance Characteristics of Friction Stir Welding Joint with Grey Relation Analysis”, **International journal of Research and Analytical Reviews**”, 2019;6(2),544-551.
 - 16) Gnana Maruthi B, **Tara Sasanka C**, J.P Karthik, “Application of Taguchi Technique to Study the Mechanical Behaviour of Friction Stir Welded Aluminum Alloy AA8011”, **International Journal Of Engineering Development And Research**, 2019;7(3),165-171.
 - 17) **C. Tarasasanka**, K. Snehlita, K. Ravindra, D. Sameerkumar, “Optimization of dry

- sliding wear properties of AZ91E/ nano Al₂O₃ reinforced metal matrix composite with grey relational analysis”, **International Journal of Engineering, Science and Technology**, Vol. 11, No. 4, 2019, pp. 41-48 <http://dx.doi.org/10.4314/ijest.v11i4.4>
- 18) Purushottam Karthik Janaswamy , J. Rangaraya Chowdary , **C.Tara Sasanka**, Sameer Kumar Devarakonda, "Life Prediction of Spur Gear Under Fully Reversed Loading Using Total Life Approach and Crack-Initiation Method in FEM", **Aksaray University Journal of Science and Engineering**, 2019, Volume 3 , Issue 2, Pages 82 –98. <https://doi.org/10.29002/asujse.498344>
 - 19) J.Purushottam Karthik, **C.Tara Sasanka**, C.M.Raghuraman “Influence of Parameters in Coal Water Slurry Mixing used for Gasification in Power Plant”, **International Journal of Recent Technology and Engineering (IJRTE)**, May 2020, Volume 9, Issue:1, 1321-1329 <https://doi.org/10.35940/ijrte.A1722.059120>
 - 20) Sameer Kumar D, Suman K N S , PALASH Poddar, **Tara Sasanka C**, “Performance Evaluation of Surface Modified Nano Al₂O₃ (P) Reinforced AZ91E Composites Under Impact and Fatigue Loading Conditions”, **Strojnícky časopis – Journal of Mechanical Engineering**, Vol 70 (2020), No 1, 29 – 38. <https://doi.org/10.2478/scjme-2020-0003> (SCOPUS)
 - 21) A. Purna Kishore, **C. Tara Sasanka** & Y.N.V. Sairam, “Mechanical and tribological behaviour of AA 2024 –Titanium Composite”, **Compliance Engineering Journal**, Sept-2020, vol 11(9) pp:437-445.
 - 22) J.Purushottam Karthik, **C.Tara Sasanka**, C.M. Raghuraman, “Preparation of Coal Water Slurry using Agitation Parameters Involved and their Influence-A Review”. **Sigma Journal of Engineering and Natural Sciences** 38 (4), (DEC 2020), 1987-1998 (Web of Science)
 - 23) Y.N.V. Sai Ram , **C. Tarasasanka**, J. Prabakaran, “Preparation and characterization of lanthanum hexa aluminate powders for high temperature applications”, **Materials Today Proceedings**, Volume 39, Part 4, 2021, Pages 1472-1475 <https://doi.org/10.1016/j.matpr.2020.05.368> (SCOPUS)
 - 24) 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), 2021, 13-19 (Web of Science)
 - 25) Purushottam Karthik, J., **Tara Sasanka, C.**, Raguraman, C.M. , “Optimization of process parameters for preparation of coal water slurry using ant colony optimization and hydrodynamic simulation”, **International Journal of Coal Preparation and Utilization**, 2021, <https://doi.org/10.1080/19392699.2021.1986032>. (SCOPUS, SCIE)
 - 26) Y N V Sai Ram, **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), 09/2021.
 - 27) Sai Ram Ynv, C Tara Sasanka, J Prabakaran, “Optimization of Dry-Sliding Wear Parameters on Lanthanum Hexa Aluminate Reinforced Magnesium AZ91E Composites Using Grey Relation Analysis”, **Nano Hybrids and Composites**, 35, 2022, 55-73. DOI: <https://doi.org/10.4028/p-08w7lk> (Web of Science)
 - 28) Yellapragada, Naga Venkata Sai Ram, **Tara Sasanka Cherukuri**, and Prabakaran Jayaraman. "Mechanical and Tribological Studies on AZ91E Magnesium Alloy Reinforced with Lanthanum Hexa-aluminate Nanoparticles." **Arabian Journal for Science and Engineering** (2022): 1-12. DOI: <https://doi.org/10.1007/s13369-022-06780-y> (SCOPUS, SCIE)

- 29) Purushottam Karthik J, Raguraman C. M. & **Tara Sasanka C** (2023) Investigation on pH influence for the effective transportation of coal water slurry using experimental design, **International Journal of Coal Preparation and Utilization**, 43:12, 2017-2030, DOI: 10.1080/19392699.2022.2149511 (**SCOPUS, SCIE**)
- 30) Purushottam Karthik J, Raguraman C, **Tara Sasanka C**. Reliability based design of propeller and Rushton impellers for maximizing the overall heat transfer coefficient in coal gasification. **Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy**. 2023; 237(7):1549-1557. doi:10.1177/09576509231172817 (**SCOPUS, SCIE**)
- 31) 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**, Vol. 41, No. 5, pp. 1062–1069, October, 2023. (**Web of Science**)
- 32) Janaswamy, P. K., Raguraman, C., **Tara Sasanka, C.**, Allaparthi, M. (2023). 'Maximization of Power Through Metaheuristic Technique in the Design of a Jacketed Vessel Mixing Solid-Liquid Phases', **Iranian Journal of Chemistry and Chemical Engineering**, 42(10), pp. 3537-3545. doi: 10.30492/ijcce.2023.1971136.5666

National Journals:

- a. Ch.Tirumalarao, **C.Tarasasanka**, K.Ravindra, J. Suresh Kumar “Vibration Analysis of Functionally Graded Materials Using Higher Order Theories” published in *ANU Journal of Engineering & Technology* Vol.III July-December,2012.

International Conferences:

- a. **C. Tara Sasanka**, K. Ravindra, K.K.K. SanyasiRaju & D. NageswaraRao, “Transient Response of Isotropic and Laminated Tapered Beams Using Artificial Neural Networks” – published in the proceedings of **INCCOM-6 [International Conference on Future Trends In Composite Materials And Processing]**, organized by I.I.T., Kanpur, December 2007; pp : 894 –901.
- b. **C. Tara Sasanka**, K. Ravindra, K.K.K. SanyasiRaju & D. NageswaraRao, “Transient Response of Composite Plates Using Artificial Neural Networks” – published in the proceedings of **ICAME-2007 [International Conference on advances in Mechanical Engineering]**, organized by M.I.T., Manipal, December 2007.
- c. V.SureshBabu, **C.TaraSasanka** , K.Ravindra, “ Failure and stress analysis of GFR Laminated Composite pinned joints”, published in the proceedings of **International Conference on Mechanical and Industrial Engineering(ICMIE)**, pune during 15th July, 2012. Pp: 149-155. ISBN:978-93-81693-74-2.
- d. J.P.Karthik, K.Lakshmi Chaitanya, **C.Tarasasanka**, “Life assessment of parabolic spring under cyclic stress and cyclic strain using Finite element Method”, published in the proceedings of **International Conference on Mechanical and Industrial Engineering (ICMIE)**, conducted by IOAJ, at Bangalore during 22 July 2012. pp: 44-50. ISBN: 978- 93-81693-70-4.
- e. M. Anjali, **C. Tara Sasanka**, Ch. Deva Raj and K. Ravindra, “Meta Heuristic Method for the Design Optimization of a Wind Turbine Blade” published in **International Symposium on Engineering and Technology (ISET-2014) Pune, India**, January 9-10,2014.
- f. **C. Tara Sasanka**, **K. Ravindra**, D. Sameer Kumar, K.N.S. Suman, Palash Poddar, “Microstructure and Hardness Evaluation of AZ91–Al₂O₃ Nano- Composites fabricated

- by Semi Solid Stir Casting” , **6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016)**, December 16-18, 2016 at College of Engineering., Pune, Maharashtra, INDIA,pp:949-952.
- g. YnvSairam, Dr.J. Prabakaran, **Dr.C. Tarasasanka** “Preparation and Characterization of Lanthanum Hexa aluminate Powders for High temperature Applications”, International Conference on Recent Trends in Metallurgy, Materials Science and Manufacturing (IMME19) organized by the Department of Metallurgical and Materials Engineering, National Institute of Technology Tiruchirappalli on December 27-28,2019.
- h. YnvSairam, **Dr.C. Tarasasanka**, Dr.J. Prabakaran “Application of MADM Methods for the Synthesis of Alumina/Lanthanum Hexa-aluminate Powders by Chemical Precipitation and Filtration Method”, International Conference on Materials, Mechanical and Energy Engineering organized by the Department of Mechanical Engineering, Bapatla Engineering College, Bapatla on May07-08,2021.

National Conferences:

- a. **C. Tara Sasanka**, K. Ravindra, Ch. Tirumala Rao “*Transient Response of Cylindrical shells Using Artificial Neural Networks*” – published in the proceedings of **NCRAME- 2011 [National Conference on Recent advances in Mechanical Engineering]**, organized by R.V.R&J.C College of Engineering, Guntur, July 7-82011.pp:423-428.
- b. V.SureshBabu , **C.TaraSasanka** , K.Ravindra , “*Analysis of composite cylinder using ANSYS*” Paper : ME-MEXA1214 , proceedings of **AICON’12 , [All India conference , organized by Chatrapathi Institute of Technology]**, Durg , Chhattisgarh during 20-21 Jan 2012.
- c. J.Purushottam Karthik, C.Tara Sasanka, C.M. Raghuraman, “Predicting of Two Phase Mixing Uniformity Based on the Varying Power for Different Impellers Using Hydro Dynamic Simulation”, published in the proceedings of **National Conference on Advancement in Material Processing Technology**, organized by NIT, Jamshedpur during 31st October – 2nd November,2020.

20. Seminars/ Workshops Attended:

- 1) “**Induction Training for Young Engineers**” organized by ISTE Chapter, R.V.R.&J.C College of Engineering ,Guntur on 6th& 7th September2011.
- 2) One week workshop on “**Research Methodology**” organized by MS University , Vadodara , Gujarat on 26th to 31st March 2012.
- 3) Two week Faculty Development Programme on “**Modeling and Optimization of Manufacturing System using Intelligent Techniques**” at BIT sathy, Tamilnadu during the period 6th May to 18th May2013.
- 4) DST sponsored National seminar on “**Futuristic Trends of Nano Composites and their Fabrication**”, at R.V.R.& J.C College of Engineering ,Guntur on 6th& 7th September2013.
- 5) AICTE sponsored National seminar on “**Advances in Bio Materials for medical Applications**”, at R.V.R.& J.C College of Engineering ,Guntur on 14th& 15th march 2014.
- 6) Workshop on “**Fracture and Fatigue Mechanics**” at M.S. Ramiah University of Applied Sciences, Bangalore on 24th – 26th April2014.
- 7) Workshop on “**Computational Mechanics**”, at R.V.R.& J.C College of Engineering, Guntur on 15th& 16th July 2014.
- 8) DST – PURSE Sponsored Two Day workshop on “**Advanced Characterization**”

Techniques of Materials (ACTM 2015) ", organized by Dept of Mechanical Engineering , CEG Campus ,ANNA University , Chennai on 22th & 23th February 2015.

- 9) Four Week AICTE approved FDP on " **Use of ICT in Education for Online and Blended learning**", Conducted by IIT Bombay, organized at remote center R.V.R & J.C College of Engineering, during 2 May 2016 to 10 July 2016.
- 10) AICTE Sponsored Two Week Faculty Development Programme on "**Innovations in Renewable Energy Harvesting and Environment Friendly Process Technologies for Sustainable Development**" conducted by Chemical Engineering Department, R.V.R.&J.C College of Engineering during 23-10-2017 to 04-11-2017.
- 11) One week QIP-STC on "**First Course in Computational Fluid Dynamics: Development, Application and Analysis**" conducted by IIT Bombay during 24-06-2018 to 29-06-2018.
- 12) Participated in "**EPICS IN INDIA ANNUAL SYMPOSIUM -2018**", at Hyderabad, during 12 to 14 July 2018, organized by IUCEE & Dr. William Oakes, Purdue University, USA
- 13) Participated in "**Applied Robotics Control lab – FDP**" at Aachen, Germany, Germany during 16 to 24, May 2019, organized by German Centre for advance Engineering and management studies and APS GmbH – European Centre for Mechatronics.
- 14) Participated in "**Faculty Development Program on ARC 2.0**" at VIT, Amaravathi during 5-12, August 2019, organized by Indo-European skilling centres for Mechatronics and Industrial Robotics, APSSDC-ECM convergence training centres.
- 15) Participated in webinar on "**Machining studies on Aluminium Composites**", conducted by School of Engineering, Department of Mechanical Engineering, CMR University on 21-05-2020
- 16) Participated in webinar on "**Advanced manufacturing practices –Robot Automation & Industry 4.0**", conducted by Sri Sairam Institute of Technology in association with Institution of Engineers on 20-05-2020.
- 17) Participated in Faculty Development program on "**Emerging Technologies in Robotics**" conducted by department of Mechanical Engineering, Malla Reddy Engineering College, Hyderabad during 26th -30th May, 2020.
- 18) Participated in ATAL academy Faculty Development Program on "**Robotics**" organized by P.S.G College of Engineering, Coimbatore during 21-25th September, 2020.
- 19) Participated in ATAL academy Faculty Development Program on "**Mechatronics**" organized by G H Patel College of Engineering & Technology, during 19th -23rd October, 2020.
- 20) Participated in APSSDC online Faculty Development Program on "**Systems Engineering**" organized by APSSDC in association with Dassault Systems from 17-05- 2021 to 22-05-2021.
- 21) Participated in two day National Level Online Seminar on "**Quality Improvement via Accreditation and Ranking**" organized by IQAC- Bapatla Engineering College during 28th -29th June 2021.
- 22) Participated in AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Elements of FEM**" from 26/07/2021 to 30/07/2021 at Government Engineering College, Bharuch.
- 23) Participated in AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Novel Materials, Fabrication, Design & Optimization**" from 20/09/2021 to 24/09/2021 at Veer Surendra Sai University of Technology, Burla

- 24) Participated in Online National Faculty Development Programme on **Outcome Based Teaching, Assessment and Evaluation** organized by INPODS India Private Limited on September 17,2021.
 - 25) Participated in 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 08/11/2021 to 15 /11/2021.
 - 26) Participated in the **Applied Robotics Control Lab Faculty Development Program** from 10th to 12th November 2021 under the initiative of "Indo-European Skilling Cluster for Mechatronics and Manufacturing" by Andhra Pradesh State Skill Development Corporation – Indo Euro Synchronization.
 - 27) Participated in SEBI & NSM sponsored online Investor Awareness Program, **Financial Literacy for You (FLY)** from 7th October 2021 to 7th July 2022.
 - 28) Participated A Three Day National level online workshop on "**Outcome Based Education and Examination Reforms**" (OBE & ER - 2022) held during 03rd – 5th August 2022 organized by Internal Quality Assurance Cell (IQAC), Bapatla Engineering College, Bapatla, Andhra Pradesh.
 - 29) Participated in **IP Awareness/Training program** under NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION on August 11, 2022.
 - 30) Participated in Online FDP on "**Current Trends and Research in Civil Engineering**" Organized by MVSR Engineering College, Hyderabad, from 26th to 30th Sep 2022.
 - 31) Participated in 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.
 - 32) Participated in One day workshop on **India Ranking -2024 NIRF** organized by Andhra Pradesh State Council of Higher Education (APSCHE), at J.K.C College, Guntur on 30th November, 2023.
 - 33) Participated in one week Faculty development program on "THE NEW PRODUCT DEVELOPMENT PROCESS" organized by APSSDC in association with Dassault Systems from 13-11-2023 to 18-11-2023.
21. **Guest Lectures Delivered:**
- a. Delivered guest talks in the DST Sponsored 6 –Week Online Technology based Entrepreneurship Development Programme (TEDP) about "HTML" on 3rd & 4th March 2021 organized by the Department of Mechanical Engineering, RVR& JC CE, Guntur.
22. **Short term courses/FDP/Workshops organized**
- **Co-coordinated** a one week Short term Course of the NITTTR ICT based STC on "CAD using SOLID WORKS" during 11 – 15, March, 2019.
 - **Coordinated** a webinar on "Automotive Trends", in association with Indo-European Technology Centre during 27-06-2020.
 - **Co-coordinated** AICTE Sponsored 2-Week Online Faculty Development Program on Research Methodology, Design of Experiments for Engineers and Researchers during 7 December 2020 to 19 December 2020.
 - **Co-coordinated** DST Sponsored 6-Week online Technical Entrepreneurship Development Program 8th February 2021 to 20th March 2021.
 - **Co-coordinated** DST Sponsored 6-Week online Women Entrepreneurship Development Program 21st August 2023 to 8th September, 2023.

23. **Professional skillset:**

- Programming Languages known : C,MATLAB
- Operating System Known : Windows.
- Manufacturing software's : MASTER CAM
- Design Software's : AUTO CAD,PRO-E
- Analysis software's :ANSYS

24. **Memberships:**

PROFESSIONAL SOCIETIES	Membership Numb
Member of International Association of Engineers (IAENG)	124384
Science & Engineering Institute	20180808001
Member in Institution of Engineers	M-1542170
Hong Kong Society of Mechanical Engineers	M20170912002

25. **Reviewer/ Editorial Boards:**

- Review Board member in International journal of Research in Engineering and Technology (IJRET)<http://ijret.org/ReviewBoard>

26. **Other duties Involved:**

- Nodal officer for RVR&JC College of Engineering IRINS Instance.
- Faculty Member of **Applied Robot Control Lab.**
- Acted as **Member** of Renewable Energy Club.
- Acted as **Member** in Training and Placement Cell.
- Acted as **member** in the **Editorial Board** for the proceedings of NCRAME-2011 [National Conference on Recent advances in Mechanical Engineering], organized by R.V.R&J.C College of Engineering, Guntur, July 7-82011.

[Dr. C. Tara Sasanka]