Dr. K. SRI RAM VIKAS

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Education

Course	School/college	Board/university	Year of passing	Aggregate
Ph.D.	College of Engineering, Andhra University	Andhra University	June 2023	
M.Tech (Manufacturing Engineering)	Lovely Professional University, Punjab, India.	Lovely Professional University, Punjab, India.	2013	7.79 C.G.PA
B. Tech (Mechanical Engineering)	D.M.S S.V.H college of Engineering, (Machilipatnam)	Acharya Nagarjuna University	2011	72.71%
Intermediate	Sri Chaitanya College, Hyderabad	Board of Intermediate, A. P	2007	74%
SSC	Mahatma Gandhi Memorial High school, Hyderabad	Board of SSC A. P	2005	84%

Ph.D. Title: Microstructure, Mechanical and Corrosion Behaviour of Ti-6Al-4V Alloy Friction Welds

Supervisors: Professor K. Srinivasa Rao M.E (IISc), Ph.D (IIT-M),

Department of Metallurgical Engineering, Andhra University College of Engineering (Autonomous), Visakhapatnam

Dr. G. Madhusudhan Reddy, Former Director, DMRL Hyderabad

Summary

Research on Ti-6Al-4V friction welds has investigated the effects of pre-weld heat treatments on microstructure, mechanical and pitting corrosion properties. This knowledge has helped in developing heat treatment strategies to enhance the joint performance by optimizing the phase distribution and improving the mechanical properties of the welds. Investigation on Ti-6Al-4V friction welds has helped to optimize the welding parameters to achieve improved joint quality and mechanical properties. Studies have focused on variables such as rotational speed, soft force, frictional force, upset force and friction time to determine the optimal conditions for achieving defect-free welds with high strength. Extensive microstructural analysis of friction welds has provided insights into the evolution of microstructure during the welding process. This includes the formation of different phases, grain morphology, and grain size distribution. Such information is crucial for understanding the relationship between microstructure and mechanical properties in friction-welded Ti-6Al-4V joints. Mechanical Property Evaluation contributed to the understanding of their mechanical properties. Studies have examined parameters such as ultimate tensile strength, yield strength, hardness. These findings have helped in characterizing the performance and reliability of friction-welded Ti-6Al-4V rods. Analysis of failed friction-welded Ti-6Al-4V joints has provided valuable insights into failure mechanisms and the factors influencing joint integrity. Corrosion property evaluation helped to choose an appropriate heat-treatment condition for Ti-6Al-4V friction welds.

Overall, the investigation of Ti-6Al-4V friction welds has provided valuable knowledge on process optimization, microstructural evolution, mechanical properties, failure analysis, pitting corrosion studies and post-weld treatments. This knowledge has helped in enhancing the understanding and application of friction welding for

joining Ti-6Al-4V rods, leading to improved joint performance and increased utilization of this technique in various industries.

Research Experience@ IIT Guwahati, India: 31/01/2024– 08/10/2024

Postdoctoral Fellow with Dr. Sukhmoy pal, Department of Mechanical Engineering, IIT Guwahati, India.

- **Development of Titanium aluminide intermetallic through Friction surfacing of Titanium for high temperature applications**
    1. Performing feasibility studies of aluminium coating through Friction surfacing and development of intermetallic on the titanium surface by heat-treatment.

Teaching Experience@ IIT Guwahati, India

Mechanical workshop for class of 30+ undergrad students: Taught/Demonstrated welding technology and evaluated assignments for 1 semester.

Engineering Drawing for class of 50 undergrad students: Taught lectures and evaluated assignments for 1 semester.

Experience in Visakha Institute of Engineering and Technology

1. Associated with VIET in the capacity of Director Research and Development
2. Associate Professor in the Department of Mechanical Engineering
3. Institute Nirf Coordinator

Professional Experience:

14/10/2024-Till date	Assistant Professor	Gayatri Vidya Parishad College for Degree and P.G Courses(A), India
31/01/2024–08/10/2024	Post Doctoral Fellow	Indian Institute of Technology Guwahati, India
03/07/2023 – 25/01/2024	Associate Professor	Visakha Institute of Engineering and Technology, India
30/06/2014 - 01/08/022	Assistant Professor	Prasad V. Potluri Siddhartha Institute of Technology, India
22/7/2013- 25/06//2014	Assistant Professor	Lovely Professional University, India
27/8/2012- 30/4/2013	Teaching Assistant	Lovely Professional University, India

Research, Teaching, and Other Professional Interests

Research interests are in the areas of Friction Welding, Friction stir Welding, Friction stir surfacing, Powder Metallurgy, Material Processing and Characterization, Ultralight Materials, Weld Corrosion.

Handled undergraduate courses in areas of Metallurgy and Materials Science; Metal Cutting and Machine Tools; Operations Research; Non-traditional machining process; Computer Aided Manufacturing, Aerospace materials, Elements of Mechanical Engineering.

Expertise

Education and Course Development, Promotion of student research towards new materials and methodologies, Professional development activities, Promotion of Academic – Research –Industry interactions, Initiation of Interdisciplinary Research.

Experience

- More than 10 years of experience covering a broad range in the areas of academics and research as a teaching faculty, individual researcher, Promoter of collaborative research, Mentor, supervisor, Program organizer and a resource person in the subject of manufacturing, Materials Science and Engineering.
- Helped Some Mechanical Engineering Graduates towards their professional development and employment
- Discussed with faculty members of different engineering colleges on matters concerning the research activities with references to experimental methods to be employed and the analysis of results.

- Involved in proposing new areas of research in the field of materials science and engineering and motivating and teaching juniors, seniors and graduate students.
- Taught portions of composites for seniors of the department
- Taught characterization of materials for seniors
- Coordinator of seminar for graduate students
- Involved in development of interdisciplinary research activities with fellow members of the faculty from Physics, Chemistry.
- Mentored several students personally
- Proposed for the digital journals
- Inculcated and promoted interdisciplinary research among students
- Motivated students to become members of PMAI, VIBHA and organized lectures.
- Collaborated and interacted in with Prof. T. Rama Mohan of MMED @ IITB, Dr Deep Prakash@ BARC, Dr. Sastry.S. Indrakanti@RGUKT Basara, in setting up research activities on composite materials.
- As a member of the Manufacturing Research Group, proposed several equipment's for materials preparation and testing
- Supervised and trained several students in powder processing methods and consolidation using hot-pressing, solid-state welding of aluminium alloys.

Curriculum Development

- Material Science and Engineering
- Composite Materials
- Operations Research
- Materials and Process Selection for Engineering Design
- Materials Characterization

Design of Laboratory Courses and Initiation of Laboratory Facilities

- Materials Characterization Lab
- Production Technology Lab

Development of junior researchers and mentorship

- Inculcated research among undergraduate students from their freshman and sophomore years
    - Looking in to a Scientific / Technical Journal
    - Collection of technical literature
    - Experimental methods and Laboratory safety
    - Collection and interpretation of data
    - Report writing
    - Preparation for high quality research
- Preparing students for high quality research at Institutes of National and International repute.
- Recommending students for summer fellowships
- Generating Research interests for higher learning.

Facilities Developed @ Prasad V. Potluri Siddhartha Institute of Technology

- As in charge of metallurgy lab, several facilities were developed for research purposes. Some of them have also become part of the laboratory facilities for materials processing, testing.

    - VB Ceramics Planetary Ball Mill for Powder Preparation
    - V-cone Blender
    - Aluminium Melting Furnace for stir Casting
    - Sparkonix Electric Discharge Machine-25A
    - DMI Classic Inverted Metallurgical Microscope with Image Analyzer
    - Contech Density/weighing Balance
    - Press and Sintering facilities
    - Other minor equipment

SKILLS & PROFICIENCES: Software packages - AUTO CAD, CREO5.0, CATIAV5R17, ORIGIN PRO, Image J Analyzer, Web Plot Digitizer, EDrawMax.

Memberships of Professional Bodies

Life Member, PMAI (Powder Metallurgy Association of India) (L00805)
Life Member, MRSI (Material Research Society of India) (LMB2570)
Life Member, ISTE (Indian Society for Technical Education) (LM 108653)
Life Member, VIBHA India (#8640)

Department Activities in Prasad V. Potluri Siddhartha Institute of Technology

- Cultural coordinator in the Department of Mechanical Engineering.
- Student counselor
- Industrial interaction committee Incharge

Graduate Student Advising

Supervised Final year B. Tech Students in the area of welding, powder metallurgy, machining.

Google Scholar Link: https://scholar.google.com/citations?user=6tuuYW0AAAAJ&hl=en
ORCID Link: https://orcid.org/0000-0002-4322-8465
Scopus Link: https://www.scopus.com/authid/detail.uri?authorId=57212194468
Web of Science Link: https://www.webofscience.com/wos/author/record/N-6484-2018
Vidwan Link: https://vidwan.inflibnet.ac.in/profile/435493

Invited Talks

- Delivered a talk titled "Hands on Practice Writing Technical Research Articles and Reports" at the Workshop held at **Visakha Institute of Engineering and Technology** on 27th and 28th July 2023 in Narava, Andhra Pradesh.
- Delivered a talk titled **"Solid-State Welding"** at the Faculty Development Program held at Visakha Institute of Engineering and Technology on 5th January 2024 in Narava, Andhra Pradesh.
- Delivered a talk titled "Friction Welding of Ti-6Al-4V Alloy" at the Faculty Development Program held at **Vasireddy Venkatadri Institute of Technology** on 28th May 2024 in Nambur, Andhra Pradesh.

JUDGE OF OTHERS RESEARCH WORK

Reviewer Journal of Materials Science (SCI, SCIE, Scopus)
Materials Research Express (SCIE, Scopus)
Cogent engineering (Scopus),
Scientia Iranica (Scopus),
Advances in Materials & Processing Technologies (Scopus).

Awards:

- Certificate of Excellence in Peer-Reviewing a book chapter entitled: **"Improvement of Boron Carbide Mechanical Properties in B_4C-TiB_2 and B_4C-ZrB_2 Systems"** BP International.

- Certificate of Excellence in Peer-Reviewing a book chapter entitled: **"What is a metallic alloy in reality?"** BP International.

- Best paper award in the International Conference on Materials and Technologies- (MaterialTECH 2022), organized by Department of Metallurgical and Materials Engineering & Department of Mechanical Engineering at National Institute of Technology Raipur, for the paper: **"Effect of Grade 5 titanium interlayer on microstructure and pitting corrosion behaviour of AA1100/A36 explosion welds"** 28th – 29th January 2022.

- Best paper award in the International Conference on Smart and Sustainable Developments in Materials, Manufacturing and Energy Engineering (SME-2021), organized by Department Mechanical Engineering at NMAM Institute of Technology, Nitte, Karnataka, India for the paper: "**Comparison of microstructure and corrosion behaviour of AA2014 electron beam and friction stir welds"** November 19-21, 2021

- Online Mentor in NPTEL Online Course **"Nature and Properties of Materials"** July-September 2016 (20-hour Course).

PEER REVIEWED INTERNATIONAL PUBLICATIONS

- **Kodamasimham Sri Ram Vikas, et** al. "Pitting Corrosion in AA7075 Friction Stir Welds on Minor Additions of Silver." Journal of Engineering & Technological Sciences 53.6 (2021). **(Scopus)**
- N. Raghu Ram, **Sri Ram Vikas. K**, V.M. Kishan.Ivatury, Prasanthi. (2018). Investigation of Machinability on AISI D3 Steel Using Silver Coated Copper Electrodes in Electrical Discharge Machining. International Journal of Engineering Research,7(12),203-206.
- K. Sivaji Babu, N. Raghu Ram, **Sri ram Vikas. K**, P. Srikant. Development and testing the Antimicrobial activity of Copper reinforced Low-Density Polyethylene Bottles. Compliance Engineering Journal,10(8),153-163.
- **Sri Ram Vikas K**, N. Raghu Ram, Ch. Kishore Reddy, V.V. Sridhara Raju. (2015). Process Parameters and Foaming Agents Used in Manufacturing of Aluminium metallic foams: A Review. International Journal of Scientific Engineering and Technology, 4(11), 505-510.
- Morampudi, Priyadarsini, Venkata Ramana V.S.N**., Sri Ram Vikas K**, Rahul R and Chitrada Prasad "Effect of Nano ZrB2 particles on physical, mechanical and corrosion properties of Al6061 metal-matrix nano composites through stir casting route." Engineering Research Express 4.2 (2022): 025010. **(Scopus)**
- **K. Sri Ram Vikas**, K. S. Rao, Rahul, G. M. Reddy, and V. S. N. Venkata Ramana, "Influence of heat treatments on microstructural and mechanical properties of Grade 5 titanium friction welds," Eng. Res. Express, vol. 4, no. 2, p. 025053, Jun. 2022, doi: 10.1088/2631-8695/ac7a0a. **(Scopus)**
- Kishore Reddy, C., Krishna, M.G., **Vikas, K.S.,** Krishnaiah, P.G. "A comprehensive evaluation of wear behaviour of aluminium matrix composites with various metallic and non-metallic particulates as reinforcement" International Journal of Mechanical and Production Engineering Research and Development, 2020, 10(2), pp. 505–514, IJMPERDAPR202045 **(Scopus)**
- Prasad, Chitrada, Koona Bhavani, Raghavendra Vemuri, VSN Venkata Ramana, and **K. Sri Ram Vikas**. "Effect of duty cycle variation on Nickel electrodeposits at 10 Hz frequency." Chemical Data Collections 41 (2022): 100927. https://doi.org/10.1016/j.cdc.2022.100927. **(Scopus)**
- **K. Sri Ram Vikas**, Rahul, V.S.N. Venkata Ramana, G. Madhusudan Reddy, K. Srinivasa Rao, "Influence of heat treatments on corrosion behavior of Ti64 friction welds", Chemical Data Collections, Volume 42, 100940, 2022. https://doi.org/10.1016/j.cdc.2022.100940. **(Scopus)**
- Priyadarsini Morampudi, V.S.N. Venkata Ramana, Chitrada Prasad, **Sriram vikas**, Rahul R, "Tribology and pitting corrosion behavior of Al6061 / Nano-ZrB_2 metal matrix composites prepared via powder metallurgy process", Chemical Data Collections, 2023,101082, ISSN 2405-8300, https://doi.org/10.1016/j.cdc.2023.101082. **(Scopus)**
- **K. Sri Ram Vikas,** Rahul, Ramana VV, Reddy GM, Rao KS. Effect of Heat Treatments on Tensile Fracture Behaviour of Ti-6Al-4V Alloy Friction Welds. Journal of The Institution of Engineers (India): Series D. 2023 Sep 20:1-9. **(Scopus)**
- P surendar reddy. VSN Venkata Ramana Rahul, **K. Sri Ram Vikas**, Simhadri Raju Juvvala. Advancements in Friction Stir Welding: Microstructural and Mechanical Enhancement of AA6061-B4C Welded Composites. Journal of The Institution of Engineers (India): Series D**. (Scopus)**

PEER REVIEWED NATIONAL CONFERENCES

- **K. Sri Ram Vikas**, et al. "Influence of Post Weld Heat Treatment on Microstructure and Pitting Corrosion Behavior of Dissimilar Aluminium Alloy Friction Stir Welds." Materials Today: Proceedings 15 (2019): 109-118. **(Scopus)**
- D.Madhusudhana Rao, **Sri ram Vikas.K**, Kalpana, K. Srinivasa Rao, "NEW APPROACHES IN MODELING OF FSW USING ABAQUS", IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.6, Issue 2, Page No pp.518-520
- Vidyasri Khadanga, Prof. Kotlanka Subba Rao, **Sri Ram Vikas. K**, N. Raghu Ram, "RHEOLOGICAL BEHAVIOUR OF NANO FLUID – A REVIEW", IJRAR - International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.6, Issue 2, Page No pp.810-813.

PEER REVIEWED INTERNATIONAL CONFERENCES

- **Sri Ram Vikas. K,** N. Raghu Ram, Ch. Kishore Reddy, K. Sivaji Babu., "Effect of MoS_2 and CaF_2 Solid Lubricants on Mechanical and Tribological Characteristics of Metal and Ceramic Composites: A Review"., 43(2) PMAI, 2017.
- **Sri Ram Vikas.K**, Ms. Ch. Vidya, Mr. Ch. Kishore Reddy, Mr. P. Gopalakrishnaiah, Mr. V.M. Kishan. Ivatury, Venkata Ramana VSN., "Sintering and property evaluation of tungsten and graphene added copper based composites" PMAI, 2018.

- Reddy, Ch Kishore, M. Gopi Krishna, T. Ashok, and **K. Sriram Vikas.** "Influence and effect on properties with particulate additions in Al-Mg-X alloys–A Review." Materials Today: Proceedings 18 (2019): 357-360. **(Scopus)**
- Morampudi, Priyadarsini, VSN Venkata Ramana, Koona Bhavani, Ch Kishore Reddy, and **K. Sri Ram Vikas**.
  "Wear and corrosion behavior of AA6061 metal matrix composites with ilmenite as reinforcement." Materials Today: Proceedings (2021). **(Scopus)**
- Koona, Bhavani, VSN Venkata Ramana, Ch Prasad, and **K. Sri Ram Vikas.** "Comparison of microstructure and corrosion behaviour of AA2014 electron beam and friction stir welds." Materials Today: Proceedings (2021). **(Scopus)**
- Reddy, Ch Kishore, M. Gopi Krishna, VSN Venkata Ramana, and **K. Sri Ram Vikas**. "Optimization of dry sliding wear parameters of Al4Mg system reinforced with high strength alloy particulate (HSAp)." In IOP Conference Series: Materials Science and Engineering, vol. 1112, no. 1, p. 012003. IOP Publishing, 2021.
- Bhavani, Koona, V. S. N. VenkataRamana**, K. Sri Ram Vikas**, and Ch Kishore Reddy. "Effect of Number of Passes on Surface Properties of Burnished Aluminium Alloy." In IOP Conference Series: Materials Science and Engineering, vol. 1112, no. 1, p. 012011. IOP Publishing, 2021.
- **K. Sri Ram Vikas,** N. Raghu Ram, B. Sai Charan, and Sastry S. Indrakanti. "Hot pressing of copper and copper-based composites: Microstructure and suitability as electrodes for electric discharge machining." Materials Today: Proceedings 41 (2021): 1001-1007. **(Scopus)**
- **K. Sri Ram Vikas**, et al. "Effect of Grade 5 titanium interlayer on microstructure and pitting corrosion behaviour of AA1100/A36 explosion welds." Materials Today: Proceedings (2022). **(Scopus)**
- Morampudi, Priyadarsini, Venkata Ramana V.S.N., **Sri Ram Vikas K**, Rahul R and Chitrada Prasad, "Enhancing Wear Properties of Al6061 Metal-Matrix Composites By Reinforcement of ZrB_2 Nano Particles". Materials Today: Proceedings (2022). **(Scopus)**
- Morampudi, Priyadarsini, VSN Venkata Ramana, Chitrada Prasad, and **K. SriramVikas**. "Physical, mechanical and corrosion properties of Al6061/ZrB2 metal matrix nano composites via powder metallurgy process." Materials Today: Proceedings (2022). **(Scopus).**
- Shankar, N.V.S., Venkata Ramana, V.S.N., Sravani, A., Sreenivasulu, P., **Sriram Vikas, K**. "IoT for vibration measurement in engineering research" Materials Today: Proceedings, 2022, 59, pp. 1792–1796. **(Scopus).**
- Reddy, K., Venkata Ramana, V. S. N., **Sri Ram Vikas, K**., & Madhusudhan, D. (2023). "Influence of Dry Sliding Wear Parameters on the Rate of Wear Al–Mg Matrix Composites Reinforced with Ternary Alloy Particulate". In Recent Advances in Applied Mathematics and Applications to the Dynamics of Fluid Flows (pp. 345-355). Springer, Singapore. https://doi.org/10.1007/978-981-19-1929-9_30. **(Scopus).**
- Bhavani, K., Venkata Ramana, V. S. N., Rahul, R., Kanth, L., **Sri Ram Vikas, K**., & Reddy, K. (2023). Modification of Surface Properties of AA7075 by Friction Stir Processing. In Recent Advances in Applied Mathematics and Applications to the Dynamics of Fluid Flows (pp. 309-320). Springer, Singapore. https://doi.org/10.1007/978-981-19-1929-9_27. **(Scopus).**
- Reddy, C.K., Prasad, C., **Vikas, K.S.R.,** Reddy, M.S., Rahul (2024). Microstructural and Mechanical Properties of Friction Stir Welded (FSW) AA7075 with B4C Reinforcement. In: Raghavendra, G., Deepak, B.B.V.L., Gupta, M. (eds) Recent Advances in Mechanical Engineering, Volume 2. ICMech-REC 2023. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-97-2249-5_28 **(Scopus).**

Workshops/Seminars/Conferences Conducted/Volunteered

- Organized two-day DST Sponsored National Seminar on "MECHATRONICS & MEMS" on 6th & 7th November 2015, at PVP Siddhartha Institute of Technology.
- Conducted SAGTE sponsored short FDP on "Powder Metallurgy & Particulate Materials Fundamentals and Industrial Applications" 10-11 November 2016 in collaboration with PMAI at PVP Siddhartha Institute of Technology.
- Organized two-day DST Sponsored National Seminar on "Additive Manufacturing & 3D Printing" on 18th and 19th November 2016, at PVP Siddhartha Institute of Technology.
- Volunteered a three-day International Conference on "Powder Metallurgy and Particulate Materials" on 20-22 Feb,2017. held at Hotel Pride Plaza, New Delhi.
- Organized one Week AICTE Sponsored FDP on "Design Thinking and product innovation" from 09/03/2019 to 13/03/2019 at PVP Siddhartha Institute of Technology.

- Organized a Two-day National Conference on “ADVANCES IN MECHANICAL ENGINEERING AND MATERIAL CHARACTERIZATION (NCRAMEMC-2020)” at PVP Siddhartha Institute of Technology.
- Organized one Week workshop on “Advance Simulation on Ansys Work Bench” from 30/10/2023 to 04/11/2023 at Visakha Institute of Engineering and Technology.

Patents Published:
Indian Design Patent on **“RAW FILTER”** Design No:376973-001, Date of issue :08/05/2023

NPTEL Online Certification Courses:

- Achieved with a consolidated score of 71% “Welding Metallurgy” July-October 2019 (12Week Course).
- Achieved with a consolidated score of 78% “Introduction to Ancient Indian Technology” February-April 2017 (8 Week Course) and Stood 4th place in National wide.
- Achieved with a consolidated score of 81% “Introduction to Research” January-March 2017(8Week Course).
- Achieved with a consolidated score of 60% “Nature and Properties of Materials” July-September 2016 (20-hour Course).

Coursera Online Certification Courses

- Successfully completed a course on “How to Write and Publish a Scientific Paper (Project-Centered Course)” an online non-credit course authorized by École Polytechnique and offered through Coursera. (10/05/2020)
- Successfully completed “Statistical Molecular Thermodynamics” an online non-credit course authorized by University of Minnesota and offered through Coursera. (28/07/2020)
- Successfully completed “Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading” an online non-credit course authorized by Georgia Institute of Technology and offered through Coursera (14/05/2020).

ATAL Certification Courses

- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Advanced FDP on "Processing of Novel Materials" from 22/11/2021 to 26/11/2021 at INDIAN INSTITUTE OF TECHNOLOGY (BHU) VARANASI.
- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Metallurgical Testing and Failure Analysis of Metals" from 13/09/2021 to 17/09/2021 at GIDC Degree Engineering College, Abrama, Navsar.
- Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Non Destructive Testing and Evaluation" from 2021-7-26 to 2021-7-30 at National Institute of Technology, Srinagar.

Training Programs Attended

- Attended a one-day Faculty Development program on “Recent Advances in Additive Manufacturing” at V.R Siddhartha Engineering College, Kanuru, Vijayawada on 18-10-2014.
- Attended a Two-Day National Workshop on “Computational Fluid Dynamics and Applications” held during 21st -22nd December 2015 at V.R Siddhartha Engineering College, Kanuru, Vijayawada.
- Participated in AICTE recognized short term course on “Industrial Automation through ICT” conducted by Electrical Engineering Department NITTTR, from 05-1-2015 to 09-10-2015 held at PVP Siddhartha Institute of Technology.
- Attended a Two-Day National Workshop on “Smart Materials and Structures” held during 28th-29th August 2015 at V.R Siddhartha Engineering College, Kanuru, Vijayawada.
- Participated in AICTE recognized short term course on “Advanced Manufacturing Methods through ICT” conducted by Mechanical Engineering Department NITTTR, from 12-10-2015 to 16-10-2015 held at PVP Siddhartha Institute of Technology.
- Attended a Two-Day National Workshop on “Mechanical Testing and Material Characterization” held during 14th-15th March 2016 at RGUKT, Basar, Telangana.
- Participated in AICTE recognized short term course on “Research Methodology through ICT” conducted by Education and Educational Management Department NITTTR, from 06-06-2016 to 17-06-2016 held at PVP Siddhartha Institute of Technology.

- Participated in one-week QIP course on Enhancing Yield in Metal Casting at IIT Roorkee from 10-07-2017 to 14-07-2017.
- Attended a Three-Day National Workshop on "Digital Manufacturing" held during 19th-21st July 2018 at V.R Siddhartha Engineering College, Kanuru, Vijayawada.
- Attended Two-day National Workshop on powder metallurgy and Advanced Ceramics held during 27th-28th September 2019 at RGUKT, Basar, Telangana.
- Attended Five-day FDP on Product Development on 3D Experience" held during 23rd-27th October 2018 at Swarnandhra College of Engineering and Technology, Andhra Pradesh.
- Participated in one-week QIP course on Analysis of Modern Manufacturing Processes at IIT Bombay from 7-01-2019 to 11-01-2019 January 2019.
- Participated in Two-day National workshop on Interdisciplinary Translational Research in Pursuit of Better Healthcare and Reports at Dr. Pinnamaneni Siddhartha Institute of Medical Sciences and Research Foundation held during 24th to 25th April 2019.
- Participated in TEQIPIII Sponsored 5-day workshop on "Hands-on Practice Technical Research Articles and Reports" at NIT Warangal held during 7th to 11th August 2019.
- Participated in AICTE sponsored QIP Short Term Program on " Operations research: Principles and Applications" from at IIT BHU 30/12/2019 to 03/01/2020".
- Participated in One-week Online Faculty Development Programme on "Recent Developments in Mechanical Engineering", organized by the Department of Mechanical Engineering during 10th -14th of August 2020.
- Participated in One Week online Faculty Development Program on "Functional Materials: Processing and Applications" (FMPA 2020), organized by the Department of Metallurgical and Materials Engineering, Mahatma Gandhi Institute of Technology, Hyderabad in association with the Indian Institute of Metals (Hyderabad Chapter) during August 03-08, 2020.
- Participated in AICTE Sponsored Online Short-Term Training Program on "Fuel Cell Technologies for Hybrid and Electric Vehicles (FCTHEV)" from 17 - 22, August 2020.DEPARTMENT OF MECHANICAL ENGINEERING Maharaj Vijayaram Gajapathi Raj College of Engineering (Autonomous) Vizianagaram, Andhra Pradesh.
- Participated in Three Day International Webinar Series on "Synthesis and Characterization of Nano-materials and their Novel Applications" organized by Department of Physics, R.K.Valley, Rajiv Gandhi University Of Knowledge Technologies, A.P (RGUKT-AP) from 17th to 19th August 2020.
- Participated in Advances in Materials and Manufacturing: Part II (RAMM2020:2) conducted by the Department of Mechanical Engineering, Gayatri Vidya Parishad College of Engineering (Autonomous), Visakhapatnam, during 7th to 12th September, 2020.
- Participated in DST Sponsored National Level Training Program on "Advanced Materials & Manufacturing Methods for Automobile Applications" from 23rd-29th November 2022. Conducted by department of mechanical engineering GITAM School Technology, GITAM (Deemed to be University), Visakhapatnam, Andhra Pradesh.
- Participated an High-end Workshop on "Joining of Advanced Materials" under KARYASHALA Scheme-A SERB initiative, conducted by Department of Mechanical Engineering, Indian Institute of Technology Delhi, from 16th – 22nd January 2023.
- Participated in one day workshop on "NIRF" organized by Adikavi Nannaya University for on 1st December 2023.

Interaction with the outside world

- Participated as a judge in District level Jnana Vignana Mela (Science Exhibition) conducted at Sri Vijnana Vihara School Enikepadu on 31-08-2014
- Participated as a judge in District level Jnana Vignana Mela (Science Exhibition) conducted at Sri Vijnana Vihara School Enikepadu on 30-08-2015
- Attended Trtiyam Visva-Veda-Vijnana-Sammelanam Event Conducted by Vibha at Deccan College Deemed University Pune held During Jan 10, 2018, to Jan 13, 2018
- Organized a National seminar on "Krishnaveneeyam" in collaboration with Indira Gandhi National Center for Arts on 3rd February 2019.
- Participated as judge in District level Jnana Vignana Mela (Science Exhibition) conducted at Sri Vijnana Vihara School Enikepadu on 08-09-2019.
- Participated as a Jury member in AVISHAR-State level student innovation competitions conducted by Vijnana Bharathi-Andhra Pradesh Chapter in association with APCOST & AICTE on 4th & 5th of March 2022 at Adikavi Nannaya University, Rajamahendravaram.

Achievements in Student Life

- B. Tech degree with Distinction in Mechanical engineering from Acharya Nagarjuna University, Guntur, Andhra Pradesh.
- Got 1st prize in Essay writing in connection with the observation of legal literacy days by District legal services authority.
- Got "A" Grade in C programming conducted by JNNYC-Council of Education and Training.
- Presented a paper on "Polyjet Process an Effective RP Technique for Sheet metal Fabrication" and stood 2nd in National level technical symposium at Vignan University Guntur.
- Got 2nd prize in Telugu slogan writing conducted by the Election Commission of India (25th January 2011)
- Got 2nd prize in Essay writing competition conducted by the A.P Forest Department (1st October 2004).

PERSONAL DETAILS

Father's Name	-	Mr. K. Ranga Charyulu
Date of Birth	-	November15, 1989
Sex	-	Male
Marital Status	-	Married
Nationality	-	Indian
Permanent Address	-	50-99-13, Seethammadhara, In front of Vivekananda Park, Visakhapatnam.