

CURRICULUM VITAE

Dr. CHALLA SURESH

Professor & Controller of Examinations

Dr. Lankapalli Bullayya College of Engineering (A)

Resapuvaniapalem, Visakhapatnam- 530013

Mobile: +91 8886401213

E-mail: drchallasuresh@lbce.edu.in



Career Objective:

Accomplished educator with demonstrated ability to teach, motivate, and direct students while maintaining high interest and achievement. Articulate communicator able to effectively interact with diverse populations of students at a variety of academic levels. Consistently maintain excellent relations with students, parents, faculty and administrators. Self-motivated with strong planning, organizational and leadership skills.

EDUCATION PROFILE

- **Ph. D (Mechanical Engineering)** from Andhra University, 2019
- **M.E (Industrial Engineering)** from Andhra University, with CGPA 7.79, 2013
- **AMIE (Mechanical Engineering), The Institution of Engineers (India), Kolkata,** with CGPA 7.27, 2015
- **B.Tech (Electronics and Communication Engineering)** from JNTU, Kakinada with 62.95%, 2011
- **Intermediate** from Board of Intermediate Education, A.P, with 70.7%, 2007
- **SSC** from State Board of Secondary Education, AP with 66.5%, 2005

TEACHING/RESEARCH EXPERIENCE

- **Professor & Controller of Examinations, Dr. Lankapalli Bullayya College of Engineering (A)** from October, 2025 to Still date
- **Professor & Head of the Department** in the Department of **Mechanical Engineering, Avanthi Institute of Engineering and Technology, Cherukupalli, Vizianagaram** from June, 2024 to October, 2025.

- **Associate Professor** in the Department of **Mechanical Engineering, Avanthi Institute of Engineering and Technology, Visakhapatnam** from June, 2019 to June, 2024
- **Project Fellow, UGC-SAP-CAS-I** in the Department of **Mechanical Engineering, Andhra University, Visakhapatnam** sanctioned by UGC - **Rs. 129.60 lakhs** from March, 2017 to June, 2019
- **Assistant Professor** in the Department of **Mechanical Engineering, Praveenya Institute of Marine Engineering and Maritime Studies** from July, 2013 to March, 2017

EXAMINATION RESPONSIBILITIES

- **Regional Coordinator**, Andhra Pradesh State Eligibility Test (APSET)- 2025
- **Assistant Chief Superintendent** in Praveenya Institute of Marine Engineering and Maritime Studies during Academic Year 2013-14.
- **Assisted for Regional Coordinators** (Prof. K. Venkata Subbaiah, Prof. T. Subrahmanyam & Prof. K T Balaram Padal Department of Mechanical Engineering, Andhra University) for conducting the following State level Examinations in Visakhapatnam Region.
 - EAMCET-2013 & 2014
 - Forest Department Recruitment Test- 2014
 - APEAMCET-2015, 2016 & 2017
 - APPGECET-2016
 - APECET-2016
 - Entrance Test for NTR Vidyonnati Scheme, 2016
 - Andhra Pradesh State Level Police Recruitment Board, 2016, 2018 & 2022
 - Assistant Public Prosecutors (APP), 2019
 - APEPDCL, Junior Lineman (JLM), October, 2021

ADMINISTRATIVE RESPONSIBILITIES

- **Controller of Examinations, Dr. Lankapalli Bullayya College of Engineering (A)** from October, 2025 to Still date
- **Member Secretary**, Academic Council, **Dr. Lankapalli Bullayya College of Engineering (A)** from November, 2025 to Still date
- **Head of the Department** in the Department of **Mechanical Engineering, Avanthi Institute of Engineering and Technology (Autonomous), Cherukupalli, Vizianagaram** from June, 2024 to till date

- **Chairperson, Board of Studies** in the Department of **Mechanical Engineering, Avanathi Institute of Engineering and Technology (Autonomous), Cherukupalli, Vizianagaram** from June, 2024 to till date
- **Honorary Secretary**, The Institute of Engineers (India), Visakhapatnam Local Center form October, 2024 to Till date
- **Council Member**- The Institution of Engineers (India), Kolkata from December, 2021 to December, 2022
- **Coordinator for Admissions**, Avanathi Institute of Engineering and Technology from November, 2020 to June, 2024
- **Committee Member**, The Institute of Engineers (India), Visakhapatnam Local Center form October, 2019 to September 2024
- **Student Advisor**, The Institution of Engineers (India) Student Chapter, Avanathi Institute of Engineering & Technology, Narsipatnam from March'2020 to March, 2023
- **Coordinator, Academic Audit Committee**, Avanathi Institute of Engineering & Technology, Narsipatnam from June'2022 to June, 2024
- **Member- IQAC**, Avanathi Institute of Engineering & Technology, Narsipatnam from July'2020 to June, 2024
- **Member- Academic Audit Committee**, Avanathi Institute of Engineering & Technology, Narsipatnam from July'2020 to May, 2022.
- **Member- Research & Development**, Avanathi Institute of Engineering & Technology, Narsipatnam from July'2020 to June, 2024
- **Member- Faculty and Staff Grievance Redressal Committee**, Avanathi Institute of Engineering & Technology, Narsipatnam from June'2020 to June, 2024
- **Member, Admission Committee**, Avanathi Institute of Engineering & Technology, Narsipatnam from July'2020 to June, 2024
- **Committee Member in Board of Scrutineers (BOS)** for conducting Elections to the Committee, The Institute of Engineers (India), Visakhapatnam Local Center for the Sessions 2017-18 and 2018-19.
- **Committee Member**, The Institute of Engineers (India), Andhra Pradesh State Center from October, 2019 to December, 2022

AWARD/PRIZE RECEIVED

- **"IEI Young Engineers Award 2025-26"** from The Institution of Engineers (India), Kolkata.

- **“Marine Engineering Division Prize”** for the paper entitled, ‘QFD–ANP Approach for the Conceptual Design of Research Vessels: A Case Study’, Journal of The Institution of Engineers (India), Springer, Series- C. Vol. 97, Issue. 4, 2016 from The Institution of Engineers (India), Kolkata.
- **“Marine Engineering Division Prize”** for the paper entitled, ‘Performance Evaluation and Modeling of Container Terminals’, Journal of The Institution of Engineers (India), Series- C, Vol. 99, No. 1, 2018 from The Institution of Engineers (India), Kolkata.

PATENTS PUBLISHED

- “A Learning System for Manufacturing Process Optimization using Restricted Boltzmann Machines and Multi-Objective Evolutionary Model” (Application No: 202241004951 A)
- “A Novel Model for Prediction of Patient Specific Dental Implantation Design Parameters” (Application No: 202241049355 A)

CERTIFICATIONS/ ACHIVEMENTS

- Qualified GATE-2010
- Completed a course on “**Electron Microscopy – Basics & Applications**”, under Ministry of HRD, GIAN, IIT, Hyderabad.
- Cisco Certified Network Associate (CCNA) – CSC012046357
- Microsoft® Certified IT Professional (MCITP), ID: 8509103
- RHEL 6.0 Trained Certificate from ZOOM Technologies, Hyderabad
- 3G SRT 902 certificate from the Beam form private limited

PROFESSIONAL MEMBERSHIPS

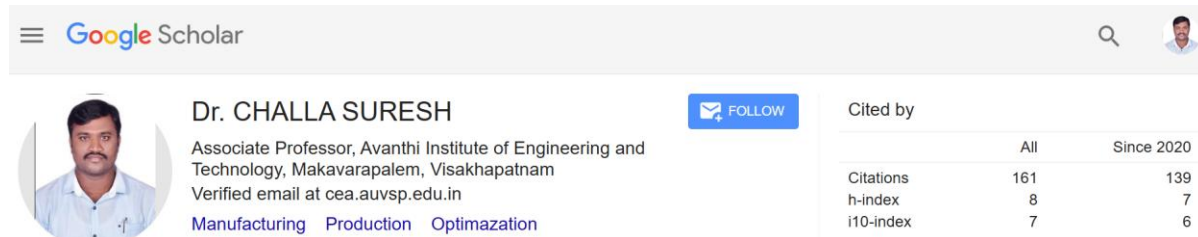
- Member in The Institution of Engineers (India)- M-1757118
- Member in The Indian Society for Technical Education (ISTE) – LM 118475
- Life Member in Indian Society for Training & Development (ISTD)- S-5152/2020
- Member in International Association of Engineers- 160642
- Associate Member in Universal Association of Mechanical and Aeronautical Engineers- AM101000581161

RESEARCH PROFILE

RESEARCH GATE SCORE: 6.99

VIDWAN PROFILE: <https://vidwan.inflibnet.ac.in/profile/283664>

GOOGLE SCHOLAR



The screenshot shows the Google Scholar profile for Dr. Challa Suresh. It includes a profile picture, a 'FOLLOW' button, and a table of citation statistics. The table has columns for 'All' and 'Since 2020' and rows for 'Citations', 'h-index', and 'i10-index'.

	All	Since 2020
Citations	161	139
h-index	8	7
i10-index	7	6

CONFERENCES / SEMINARS ORGANIZED

1. Sanctioned 3 Day AICTE Vanni workshop on “Hydrogen Energy in Indian Languages: Awareness and Innovation” is scheduled from 9th-11th November, 2025
2. 40th National Convention of Chemical Engineering on “Green Energy Technologies and AI Enabled Sustainable Chemical Processes” Scheduled during 11 - 12th October, 2025 Organized by The Institution of Engineers (India) Visakhapatnam Local Centre
3. 10 day online FDP on “Unmanned Aerial System: Design, Development and deployment” in Organized by Electronics & ICT Academy (Hub), NIT Warangal in association with E&ICT Academy (Spoke), IIITDM Kurnool Avanathi Institute of Engineering and Technology (A), Cherukupally (Village), Near Tagarapuvalasa Bridge, Vizianagaram (Dist) -531162, 17th –27th March 2025
4. 34th National Convention of Marine Engineers on “Contemporary Developments in Maritime Technologies”, by The Institution of Engineers (India) in association with Naval Sciences and Technological Laborites (NSTL), Visakkapatnam during 02-03 December, 2022
5. All India Seminar on “5G – The New Radio”, by The Institution of Engineers (India) in association with PVP Siddhartha Institute of Technology, Vijayawada, during 14-15 October, 2022
6. A Certificate Course on “Active Suspension Systems with MATLAB and System Design” by Avanathi Institute Engineering and Technology, Visakhapatnam during 01-06 February, 2021

MEMBER IN NATIONAL ADVISORY

1. Two day National Seminar on “Applied Python & IOT with Raspberry Pi” by The Institution of Engineers (India) in association with VR Siddhartha Engineering College, Vijayawada, during 10-11 April, 2023

LECTURES DELIVERED AS RESOURCE PERSON

1. AICTE Training and Learning (ATAL) Academy Faculty Development Program on Quality Management in Manufacturing at Government Polytechnic, Visakhapatnam from 19/08/2024 to 24/08/2024.

PAPERS PUBLISHED IN INTERNATIONAL JOURNALS

1. Ch. Maheswara Rao, K. Venkata Subbaiah and Ch. Suresh (2025): “Optimal selection of TiB₂/GNP augmented Al-Si1MgMn-based hybrid composites using CRITIC-MABAC technique” Emergent Materials, Vol.8, Issue: 8
2. M. Amareswara Reddy, Prof. K. Venkata Subbaiah, Dr.Ch Suresh (2022): “Box- Behnken Design: Optimization and Prediction of Ti-Al-7NB”, Journal of Algebraic Statistics, Vol.13, Issue: 3, pp: 6917-6927. **(ESCI, Web of Science)**
3. M. Amareswara Reddy, Prof. K. Venkata Subbaiah, Dr.Ch Suresh (2022): “The Selection of Clinical Orthodontic Implant Materials by Entropy Weight Methods through Hybrid Multi criteria Decision making Techniques’ International Journal of Mechanical Engineering, Vol.7, Issue: 1, pp: 6917-6927. **(Scopus Indexed)**
4. K. Venkatasubbaiah, K. Brahma Raju, A.Ramki, Ch. Suresh, Jagadish K E (2020), “Study of parametric influence on dry sliding wear and corrosion behavior of AA5754-TiB₂ in-situ composites”, SAE International Journal of Materials and Manufacturing, Volume-13, Issue-3, pp. 1-14. ISSN: 1946-3979, e-ISSN:1946-3987. **(Scopus indexed)**
5. K. Venkatasubbaiah, Ch. Raju and Ch. Suresh (2020): “Parametric Analysis and Optimization of Hard Turning at Different Levels of Hardness using Wiper Ceramic Insert”, Measurement, Elsevier, Vol.158, pp:1-12. **(Scopus indexed)**
6. A. Ramki, K. Brahma Raju, K. Venkatasubbaiah, Ch. Suresh, Jagadish K E (2019), “Experimental Investigations on Machining Characteristics of AA5754 – TiB₂ Composites by Wire EDM”, International Research Journal of Engineering and Technology (IRJET), Vol.6, No. 11, pp: 2226-2231.
7. A. Ramki, K. Brahma Raju, K. Venkatasubbaiah, Ch. Suresh, Jagadish K E (2019), “Microstructure and Hardness Characterization behavior of Al-Mg-TiB₂ In-Situ Composite”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. 8, No. 10, pp: 461-466, ISSN: 2278-3075 **(Scopus indexed)**

8. Ch. Neelima, K. Venkata Subbaiah, K. Narayana Rao, Ch. Suresh (2019) "Parametric optimization of Multiple Responses in Wire Electric Discharge Machining of Inconel 825 Using Taguchi Based Utility Approach", " International Journal of Management, Technology and Engineering, ISSN No: 2249-7455, Vol IX, Issue VI, 2191-2202.
9. S.Kartikeyan, K.Venkata Subbaiah, Ch. Suresh,(2019) "Optimization of Welding parameters of Mild Steel in Gas Metal Arc Welding Using Grey based Taguchi Method" International Journal of Management, Technology and Engineering, Vol IX, Issue V, May, 3383-3394. (ISSN No: 2249-7455)
10. K. Venkatasubbaiah, Ch. Raju, R. S. Pawade and Ch. Suresh (2019): "Machinability investigation with Wiper Ceramic Insert and Optimization during the Hard Turning of AISI 4340 Steel", Materials Today: Proceedings, Vol.18, Issue-1, pp: 445-454. ISSN: 2214-7853. **(Scopus indexed)**
11. K. Venkatasubbaiah, Ch. Raju and Ch. Suresh (2018): "Determining the Effect of Material Hardness on Surface Roughness Characteristics during the Hard Turning of AISI4340 Steel", Journal of The Institution of Engineers (India): Series D, Springer, Vol. 99, No.2, pp: 185-192, ISSN: 2250-2122. **(Scopus indexed)**
12. Ch. Suresh, Dr. K. Venkata Subbaiah, Ch. Raju (2018): "Prioritization of Wire EDM Response Parameters using Analytical Network Process", International Journal of Research and Analytical Reviews, Vol. 5, No.4, pp: 42-46.
13. V.V. K. Lakshmi, Dr. K. Venkata Subbaiah, Ch. Suresh, Ch. Raju (2018): "Optimization of Machining Parameters on Sugarcane Ash Aluminium Composite for Optimum Power Consumption and Roughness", International Journal of Advanced Mechanical Engineering (IJAME). Vol. 8, No.1, pp. 137-148, ISSN 2250-3234
14. CH. Raju, Dr. K. Venkata Subbaiah, Ch. Suresh, Ch. Maheswara Rao (2018): "Predictive Modeling of Tool Wear, Surface Roughness and Machining Force in Hard Turning using Taguchi Approach". International Journal of Advanced Mechanical Engineering (IJAME), Vol. 8, No.1, pp. 119-126, ISSN 2250-3234
15. Ch. Suresh, Dr. K. Venkata Subbaiah, Ch. Raju (2018): "Effect of Process Parameters on Surface Roughness of HSS M35 in Wire-EDM during Taper Cutting" International Journal of Advanced Mechanical Engineering (IJAME), RI Publications, Vol. 8, No.1, pp. 127-136, ISSN 2250-3234
16. K.Venkatasubbaiah, K. Narayana Rao, M. Malleswara Rao and Ch. Suresh (2017): 'Performance Evaluation and Modeling of Container Terminals', Journal of The Institution of Engineers (India), Series- C, Vol. 99, No. 1, PP:87-96 **(Scopus indexed)**
17. Ch. Maheswara Rao, K. Venkata Subbaiah and Ch. Suresh (2017), "Optimization of Cutting Parameters Using Weighted Principal Component Analysis (WPCA) Combined with Grey Relational Analysis (GRA) While Turning of AA7075", International Journal of Hybrid Information Technology, ISSN: 1738-9968, Vol-10, No.1, pp.47-62.

18. Dr. K. Venkata Subbaiah, Fiaz khan, Challa Suresh (2017): “Optimization of Process Parameters in CNC Drilling of EN 36” SSRG International Journal of Mechanical Engineering (SSRG-IJME) – Special Issue May - 2017, ISSN: 2348 – 8360, PP: 213-221
19. K. Venkatasubbaiah, Ch. Raju, R. S. Pawade and Ch. Suresh (2017): “Hard Turning With Wiper Ceramic Insert; Parametric Analysis and Optimization with Desirability Approach”, International Journal of Engineering Trends and Technology (IJETT) – Vol. 49 No. 7, ISSN: 2231-5381, PP: 430-436.
20. K. Venkatasubbaiah, Ch. Raju and Ch. Suresh (2017): “Comparative Assessment of Cutting Inserts and Optimization during Hard Turning: Taguchi-Based Grey Relational Analysis”, IOP Conference Series: Materials Science and Engineering Vol. 225, 012165. **(Scopus Indexed)**
21. K. Venkatasubbaiah, Yeshwanth Sai Koneru and Challa Suresh (2016): ‘QFD–ANP Approach for the Conceptual Design of Research Vessels: A Case Study’, Journal of the Institution of Engineers (India), Springer, Series- C. Vol. 97, Issue. 4, PP:539–546. **(Scopus Indexed)**
22. K. Venkata Subbaiah, Rayeneni Mounica, Challa Suresh (2016), ‘Teaching Learning Based Optimization Approach for Product-Mix in a Dairy Industry’, International Journal on Recent Technologies in Mechanical and Electrical Engineering (IJRMEE), Vol. 3 Issue 6, ISSN: 2349-7947, PP: 01 – 04.
23. K. Venkatasubbaiah, D. Dinesh and Ch Suresh (2016): ‘Development of a Student Database Management System for a University’, International Journal of Engineering Research and Application, Vol. 6, Issue 8, ISSN: 2248-9622, PP: 16-24.
24. K. Venkatasubbaiah, Ch. Raju and Ch. Suresh (2016): “Influence of cutting parameters on Roughness characteristics: Hard Turning of AISI 4340 Steel with Wiper Ceramic Inserts”. International Journal for Research & Development in Technology, Vol. 6, No. 2, PP: 31-36.
25. Ch. Maheswara Rao, K. Venkata Subbaiah and Ch. Suresh (2016): “Prediction of Optimal Designs for Material Removal Rate and Surface Roughness Characteristics”, International Journal of Lean Thinking, Vol-7, Issue-2, pp.24-46
26. K. Venkata Subbaiah, G. Daniel Vivek, Ch. Suresh (2015), ‘Optimization of Police Patrol Manpower Allocation Using Goal Programming Approach – A Case Study’ International Journal of Engineering Research and Applications, Vol. 5, No.10, 142-153

PAPERS PRESENTED AT CONFERENCES

1. K. Venkata Subbaiah, Ch. Suresh, K. G. Dugra Prasad (2013): ‘Prioritization of Engineering Characteristics of a Product using HOQ-ANP Approach’, Presented at Indian Technology Congress, on 24th – 25th, July 2013, Bengaluru, India.
2. Ch. Suresh, Ch. Raju, K. Venkata Subbaiah (2013): ‘The Optimization of Design Characteristics in Ship Building by using QFD-DSS Approach’, Presented at Twenty Seventh National convention of Marine Engineers, on 16th -17th, August 2013, Visakhapatnam, India.
3. Ch. Raju, Ch. Suresh (2014) : ‘Analysis of Surface Roughness in Hard Turning of AISI 4340 Steel Using Ceramic Wiper Inserts’, Presented at Twenty –Second IEI Convocation and Technicians’/Students’ Convention”, The Institution of Engineers (India), Visakhapatnam, 15th - 16th November, 2014.
4. Ch. Suresh, Dr. K. Venkata Subbaiah, Ch. Raju (2015): ‘Prioritization of Railway Passenger’s Service Quality Attributes using Factor Analysis and AHP Methodology – A Case Study’ Presented at Indian Technology Congress, on 29th – 30th, July 2015, Bengaluru, India.
5. Dr. G. Rambabu, Prof. K. Venkatasubbaiah, Ch. Suresh, D. Balaji Naik (2015): ‘QFD Approach to Road Safety - A Case Study’ Presented at Indian Technology Congress, on 29th -30th, July 2015, Bengaluru, India
6. CH. Raju, Dr. K. Venkata Subbaiah, Ch. Suresh (2015): ‘Influence of Material Hardness in Hard Turning with Wiper Ceramic Insert on Surface Roughness’ Presented at Indian Technology Congress, on 29th -30th, July 2015, Bengaluru, India.
7. Dr. K. Venkata Subbaiah, Ch. Raju, Ch. Suresh (2016): ‘Effect of Machining Parameters on surface roughness during the Hard turning of AISI 4340 Steel’ Presented at National Workshop on Machining & Machinability of Advanced Materials (NWMMAM- 2016), on 29th - 30th September, 2016, CSIR-CMERI, Durgapur, India.
8. Ch. Suresh, Dr. K. Venkata Subbaiah, Ch. Raju (2016): ‘Optimization of Wire-EDM process parameters using Taguchi and Grey Relational Analysis’ Presented at National Workshop on Machining & Machinability of Advanced Materials (NWMMAM- 2016), on 29th - 30th September, 2016, CSIR-CMERI, Durgapur, India.
9. Ch. Suresh, Dr. K. Venkata Subbaiah, Ch. Raju (2016): “Optimization Of Wire EDM Process Parameters Using Taguchi And Grey Relation Analysis” Presented at Indian Technology Congress, on 1st -2nd, December 2016, Bengaluru, India.

10. V V K Lakshmi, Ch Suresh, Dr. K. Venkata Subbaiah (2016): “Mechanical Properties and Wear Behaviour of Sugarcane Bagasse Ash Reinforced AA6061 Composite” Presented at Indian Technology Congress, on 1st -2nd, December 2016, Bengaluru, India.
11. K. Brahma Raju, Dr. K. Venkata Subbaiah, Ch. Suresh (2016): “Optimisation of Cutting Parameters in CNC Milling using Taguchi Technique” Presented at Indian Technology Congress, on 1st -2nd, December 2016, Bengaluru, India.
12. CH. Raju, Dr. K. Venkata Subbaiah, Ch. Suresh (2016): “Multi-Objective Optimisation of Surface Roughness and MRR With Desirability and TLBO Approaches during The Hard Turning with Wiper Ceramic Insert” Presented at Indian Technology Congress, on 1st -2nd, December 2016, Bengaluru, India.
13. Dr. K. Venkata Subbaiah, Ch. Raju & Ch. Suresh (2016): “Comparative Assessment of Cutting Inserts and Optimization during Hard Turning: Taguchi-Based Grey Relational Analysis”, Presented at International Conference on Advanced Material Technologies (ICAMT)-2016, Visakhapatnam, during 27 -28 December 2016.
14. Dr. K. Venkata Subbaiah, Ch. Suresh, Ch. Raju (2016): “Surface Roughness and Tool Wear Optimization in Hard Turning Using Taguchi Based Utility Concept during Comparative Assessment of Inserts”, Presented at Indian Engineering Congress (IEC) 2016, Kolkata, during 15th - 18th December 2016.
15. Dr. K. Venkata Subbaiah, Fiaz khan, Challa Suresh (2017): “Optimization of Process Parameters in CNC Drilling of EN 36” Two-Day National Conference on “Recent Advances in Mechanical Engineering (RAME-2017)” Andhra University, Visakhapatnam, 10th to 11th March 2017
16. Ch. Suresh, K. Venkata Subbaiah, Ch. Maheswara Rao (2017): “Experimental Investigation on Effect of Cutting Parameters in Drilling of EN36 Steel” A One Day National Conference on “Nascent Technologies in Mechanical Engineering for Sustainable research”, University College of Engineering, JNTU Kakinada, Vizianagaram on 7th October, 2017
17. Ch. Maheswara Rao, K. Venkata Subbaiah, Ch. Suresh, B. Nagaraju (2017): “Optimization of Multiple Responses using Utility Method”, A One Day National Conference on “Nascent Technologies in Mechanical Engineering for Sustainable research”, University College of Engineering, JNTU Kakinada, Vizianagaram on 7th October, 2017
18. Ch. Suresh, Dr. K. Venkata Subbaiah, Ch. Raju (2017): “Effect of Process Parameters on Surface Roughness of HSS M35 in Wire-EDM during Taper Cutting” 2nd National Conference on Multi-Dimensional Advancement in Mechanical Engineering,

Government College of Engineering, Kalahandi, Bhawanipatnam, Odisha during 27 - 28 December 2017.

19. CH. Raju, Dr. K. Venkata Subbaiah, Ch. Suresh, Ch. Maheswara Rao (2017): "Predictive Modeling of Tool Wear, Surface Roughness and Machining Force in Hard Turning using Taguchi Approach". 2nd National Conference on Multi-Dimensional Advancement in Mechanical Engineering, Government College of Engineering, Kalahandi, Bhawanipatnam, Odisha during 27 - 28 December 2017.
20. V.V. K. Lakshmi, Dr. K. Venkata Subbaiah, Ch. Suresh, Ch. Raju (2017): "Optimization of Machining Parameters on Sugarcane Ash Aluminium Composite for Optimum Power Consumption and Roughness", 2nd National Conference on Multi-Dimensional Advancement in Mechanical Engineering, Government College of Engineering, Kalahandi, Bhawanipatnam, Odisha during 27- 28 December 2017.
21. CH. Raju, Dr. K. Venkata Subbaiah, R. S. Pawade Ch. Suresh (2017) : "Machinability investigation with Wiper Ceramic Insert and Optimization during the Hard Turning of AISI 4340 Steel", International Conference on Advances in Materials and Manufacturing Engineering, ICAMME-2018, Acharya Nagarjuna University, Guntur during 23-25 January, 2018.
22. Ch. Suresh, Dr. K. Venkatasubbaiah, Ch. Raju, Ch. Maheswara Rao (2018), "Prediction of the Performance Characteristics of WEDM on HSS M 35 during Taper Cutting", National Conference on Recent Trends in Manufacturing, Andhra University, Visakhapatnam on 29th March, 2018
23. Ch. Maheswara Rao, K. Venkata Subbaiah, Ch. Suresh, B. Naga Raju (2018), "Optimal Setting of Wire EDM Process Parameters Using A MCDM Method of VIKOR Analysis", National Conference on Recent Trends in Manufacturing, Andhra University, Visakhapatnam on 29th March, 2018
24. Dr. K. Venkatasubbaiah, R. Rambabu, Ch. Suresh (2018), "Optimization of Milling Process Parameters using MOORA And MOOSRA Methodology", National Conference on Recent Trends in Manufacturing, Andhra University, Visakhapatnam on 29th March, 2018
25. Dr. K. Venkatasubbaiah, Lijo Joseph , Ch. Suresh (2016), "Optimization of Welding Parameters for Orbital Welding of HPA System Pipe in Submarines", National Conference on Recent Trends in Manufacturing, Andhra University, Visakhapatnam on 29th March, 2018
26. V.V. K. Lakshmi, Dr. K. Venkatasubbaiah, Ch. Suresh, M. VenkataRaju (2018), "Multi Objective Optimization of Dry Sliding Wear of Al 6061/Bagasse Ash Using

PROMETHEE II, National Conference on Recent Trends in Manufacturing, Andhra University, Visakhapatnam on 29th March, 2018

27. Ch. Maheswara Rao, K. Venkata Subbaiah, Ch. Suresh, B. Naga Raju, T.V. Hanumantha Rao (2018), "Investigation of Effect of Cutting Parameters on the Multiple Performance Characteristics", National Conference on Recent Trends in Manufacturing, Andhra University, Visakhapatnam on 29th March, 2018
28. Prof. K.Venkata Subbaiah, A.Ramki, Dr. K.Brahma Raju, Ch. Suresh, Jagadish K E (2018), "Effects of Tool Rotational Speed and Transverse Speed on Mechanical Properties of Similar and Dissimilar Aluminium Alloys Using Friction Stir Welding", National Conference on Recent Trends in Manufacturing, Andhra University, Visakhapatnam on 29th March, 2018
29. Dr. K. Venkatasubbaiah, Ch. Raju, Ch. Suresh (2018), "Effect of Cutting Edge Geometry, Workpiece Hardness on Residual Stress during Hard Turning", National Conference on Recent Trends in Manufacturing, Andhra University, Visakhapatnam on 29th March, 2018
30. Dr. K. Venkatasubbaiah, S. Karthiyan, Ch. Suresh (2018), "Optimization of process parameters in Gas metal arc welding using multi objective Taguchi method", National Conference on Recent Trends in Manufacturing, Andhra University, Visakhapatnam on 29th March, 2018
31. Dr.K. Venkata Subbaiah, P.V.J.S.Chandramouli, Dr.K.Narayanarao, Ch. Suresh (2018), "Multi Objective Optimization of Machining Parameters for Turning Using Genetic Algorithm", National Conference on Recent Trends in Manufacturing, Andhra University, Visakhapatnam on 29th March, 2018
32. K. Venkatasubbaiah, M. Ramesh Naidu, Ch. Suresh (2018), "Optimizing the Linear and Angular Distortions of Hatch Cover Girders in Cargo Ships", National Conference on Recent Trends in Manufacturing, Andhra University, Visakhapatnam on 29th March, 2018
33. Dr. K. Venkatasubbaiah, Ch. Suresh, Ch. Raju (2018), "Study of Machining Characteristics of High Speed Steel M35 Using Wire-Cut EDM", at 4th AP Science Congress, Yogi Vemana University, Kadapa during 9th – 11th November, 2018.
34. Suresh CH, Venkatasubbaiah K, Balaji Naik D, Raju CH (2018), "Study of Wire EDM Machining Characteristics using Taguchi Grey Relational Analysis on Cryogenic Treated HSS M35 During Taper Cutting", at International Conference on Metallurgy (COMET)- ushering industry 4.0- 2018, IIM Bhilai, Bhilai during 26th -27th November, 2018.

35. Dr. K. Venkatasubbaiah, Ch. Suresh, Ch. Raju (2018), “Optimization of Wire EDM Process Parameters During Taper Cutting Using Taguchi and Grey Relational Analysis”, at 33rd Indian Engineering Congress (IEC) 2018, Udaipur, during 21st – 23rd December 2018.

FDPs/CONFERENCES / SEMINARS / WORKSHOP ATTEND

1. One day training program on “Requirements for 3G SRT 902” Beamform Communications, Newton’s Institution of Engineering, Macherla, Guntur, 23rd December, 2010.
2. The first Computational Intelligence Colloquium on Computational Biology, The Institution of Engineers (India), Visakhapatnam , 17th -18th February, 2012.
3. One day workshop on “Advances in Welding Technology”, The Institution of Engineers (India), Visakhapatnam, 10th February, 2013
4. Awareness Programme on “Production Life Cycle Management”, The Institution of Engineers (India), Visakhapatnam, 14th April, 2013.
5. National Seminar on “Empowering Youth with Values and Ethics Role of Higher Education Institutions”, Andhra University, Visakhapatnam, 03rd July, 2013.
6. Workshop on “MATHTYPE”, Government Degree College, Narsipatnam, Visakhapatnam, 22nd July, 2013.
7. Twenty Seventh National Convention of Marine Engineers on “Opportunities/Challenges in Design/ Construction of Vessels for Navy Coastguard and Offshore – Oil & Gas Industry”, The Institution of Engineers (India), Visakhapatnam, 16th – 17th August, 2013.
8. Two Day National Seminar on “Manufacturing Automation Present and Future”, Anil Neerukonda Institute of Technology and Sciences, Visakhapatnam, 13th – 14th December, 2013
9. Workshop on “Finite Element Analysis, Quality & Reliability (FEAQR-2013)”, Andhra University, Visakhapatnam, 16th December, 2013.
10. All India Seminar on “Telecommunication Switching Systems and Networks”, The Institution of Engineers (India), Visakhapatnam, 30th - 31th January, 2014.
11. One Day Workshop on “Lean Manufacturing”, The Institution of Engineers (India), Visakhapatnam, 16th March, 2014.
12. One Week Short Term Training Program on “Advanced Engineering Optimization through Intelligent Techniques (AEOTIT)”, Sardar Vallabhbhai National Institute of Technology, Surat, India, 24th -28th March, 2014.
13. Indian Technology Congress on “Advanced Technology as Change Agent to Make India an Economic Superpower” Bengaluru, 21-22, August, 2014

14. Twenty –Second IEI Convocation and Technicians’/Students’ Convention”, The Institution of Engineers (India), Visakhapatnam, 15th - 16th November, 2014.
15. Indian Technology Congress on “Transforming India as a Global Engineering and Technology Hub – Prospects and Pathways” Bengaluru, 29-30, July, 2015
16. One Day Workshop on “Skill Development on Maritime Sector”, The Institution of Engineers (India), Visakhapatnam, 17th October, 2015.
17. One day Workshop on “Entrepreneurship and Innovation”, Andhra University, Visakhapatnam, 13, July, 2016
18. Two week Course on “Electron Microscopy: Basics and Applications” Indian Institute of Technology Hyderabad, Hyderabad, 18th -29th July, 2016.
19. One Week National Level Short Term Course on “System Modelling, Simulation and Advanced Optimization Tools for Nanotechnology Applications- 2016 (SYSTA-2016)”, Center for Nanotechnology, AUCE(A), Andhra University, Visakhapatnam, 19th -24th September, 2016.
20. National Workshop on Machining & Machinability of Advanced Materials (NWMMAM- 2016), Central Mechanical Engineering Research Institute (CMERI), Durgapur, 29-30th September, 2016.
21. Two Day National Workshop on “Recent Advances in Structural Health Monitoring (RASHM-2016)”, Andhra University, Visakhapatnam, 25th -26th October, 2016.
22. Two-Day National Conference on “Recent Advances in Mechanical Engineering (RAME-2017)” Andhra University, Visakhapatnam, 10th to 11th March 2017
23. One day National Workshop on “Materials & Manufacturing”, Andhra University, Visakhapatnam, 23rd March, 2017
24. One day National Workshop on “A Review on Heat Transfer”, Andhra University, Visakhapatnam, 30th June, 2017
25. “Andhra Pradesh Science Congress – 2017” by Andhra University & Andhra Pradesh Akademi of Sciences, Andhra University, Visakhapatnam, 7th – 9th November, 2017
26. Two Day National Seminar on “ Micro Manufacturing Techniques”, Anil Neerukonda Institute of Technology and Sciences, Visakhapatnam, 24th – 25th November, 2017
27. 2nd National Conference on “Multi-Dimensional Advancement in Mechanical Engineering”, Government College of Engineering, Kalahandi, Bhawanipatnam, Odisha during 27-28 December 2017.
28. International Conference on “Advances in Materials and Manufacturing Engineering (ICAMME-2018)”, Department of Mechanical Engineering, Acharya Nagarjuna University, Guntur during 23-25 January, 2018.

29. National Conference on “Recent Trends in Manufacturing”, Department of Mechanical Engineering, Andhra University, Visakhapatnam on 29th March, 2018.
30. International Conference on Metallurgy (COMET)- ushering industry 4.0- 2018, IIM Bhilai, Bhilai during 26th -27th November, 2018.
31. National Workshop on “Recent Advances in Mechanical Engineering”, Department of Mechanical Engineering, Andhra University, Visakhapatnam on 11th March, 2019.
32. 3-Day FDP on “Recent trends in Robotics and Intelligent manufacturing” Department of Mechanical Engineering, Lendi Institute of Engineering and Technology (Autonomous), Vizianagaram, 11-13 May, 2020
33. One Week online Faculty Development Programme on “Modelling and Optimization Techniques for Materials And Manufacturing Processes” Department of Mechanical Engineering, Lakireddy Bali Reddy College of Engineering (Autonomous), Mylavaram, 18-22 May, 2020
34. 3-Day FDP on “Outcome Based Education System” Department of Mechanical Engineering, Lendi Institute of Engineering and Technology (Autonomous), Vizianagaram, 21-23 May, 2020
35. One Week Faculty Development Program on “Development and Characterisation of composite Materials”, Department of Mechanical Engineering, Lingayas Institute Of Management And Technology, Nunna, Krishna, A.P, 25-29 May, 2020
36. One Week Faculty Development Program on “Advanced NDT Techniques & Applications in Industry” Indian Society for Non Destructive Testing, Hyderabad Chapter 25- 29 May, 2020
37. 3-Day FDP on “Advanced Material Characterization Techniques” Department of Mechanical Engineering, Lendi Institute of Engineering and Technology (Autonomous), Vizianagaram, 28-30 May, 2020
38. One week Faculty Development Program on “Advanced Manufacturing Enterprise in Digital Era-2020”, Department of Mechanical Engineering, Aditya Institute of Technology and Management, Tekkali, 01-05 June, 2020
39. Five Day Online Faculty Development Program on “Materials, Manufacturing and Machining Processes”, Department of Mechanical Engineering, Raghu Institute Of Technology, Visakhapatnam, 08-12 June, 2020
40. Six Days Faculty Development Programme (FDP) on “Nanomaterial Synthesis, Process, Characterization and its Functional Applications” Department of Automobile Engineering, Hindusthan College of Engineering and Technology(Autonomous) Coimbatore, 06-11 July, 2020
41. One week Online Faculty Development Programme on “Recent Advances in Materials Characterization Techniques” By. Department of Metallurgical and Materials

- Engineering, NIT Andhra Pradesh, Tadepalligudem, Andhra Pradesh, 19 – 23 October, 2020.
42. Five-day online AICTE-ATAL FDP titled “3D Printing & Design” By GMR Institute of Technology, Rajam, Andhra Pradesh, 14-18, December 2020.
 43. One Day Seminar on "Role of Internships and Industrial Projects in Engineering Education" By the Department of Mechanical Engineering, V R Siddhartha Engineering College, Vijayawada on 11th November, 2021.
 44. A Two Day Online FDP on “Radiation Effects on Polymers and Advances in organic Optoelectronic Devices” By Vaagdevi College of Engineering, Warangal, Telangana 2-3rd February, 2022
 45. A Five Day online Faculty Development Program on “Advances in Materials Sciences” By Department of Mechanical Engineering, Sree Vidyanikethan Engineering College, Tirupati, 1st – 5th March 2022.
 46. A one Week online FDP on “Artificial Intelligence/Machine Learning for Mechanical Engineering Problem” By Department of Mechanical Engineering, Shri Vishnu Engineering College for Women(A), Bhimavaram, 21-26th March, 2022.
 47. 30 Days Master Class on “Python Programming”, By APSSDC and Pantech, at Pantech e Learning Pvt. Ltd, Chennai, 28th February, 2022 to 29th March, 2022.
 48. Two Day Workshop on “E-VEHICLES” By Avanthi Institute of Engineering and Technology, Visakhapatnam in Association with 4C Design Engg 3K Pvt. Ltd, Hyderabad, 18-19th May 2022.
 49. One Week Online Faculty Development Program on “Advancements in Thermal and Renewable Energy Technologies”, Lakireddy Bali Reddy College of Engineering (A), Mylavaram, Vijayawada, 04-09 July, 2022
 50. National Intellectual Property Awareness Mission (NIPAM), Avanthi Institute of Engineering and Technology, Visakhapatnam in association with Intellectual Property Office, India, 14th July, 2022
 51. One-Week Workshop on “ANSYS-Work Bench”, Avanthi Institute of Engineering and Technology, Visakhapatnam in association with Bench Mark Engineering, Visakhapatnam during 13-17th September, 2022
 52. As Reviewer- 1st International Conference on Computing for Science, Engineering & Artificial Intelligence, Lendi Institute of Engineering and Technology (A), Vizianagaram, in Collaboration with the California State University, IAASSE on 17-18th November, 2023

B.TECH PROJECTS GUIDED

1. Optimization of Wire-Cut EDM Process Parameters For Inconel 825 using Design of Experiment, 2023
2. Electricity Generation using Railway Track Using Piezoelectric Plate, Rack and Pinion 2023
3. Effect of Machinability Characteristics Under Non-Cryogenic and Cryogenic Treated Tool During Turning of AISI 4320, 2022
4. Design & Optimization of the Tensile Specimens using Different Cell Structures, 2022
5. Compressed Air Generation using Vehicle Suspension System, 2021
6. Study the Microstructure and Mechanical Properties of Graphene Reinforced Cu5w Composite, 2021
7. Fabrication of Electromagnetic Braking System, 2020
8. Three Wheel Handicapped Steering Propulsion Cycle, 2020

SUBJECTS AND LABORATORIES HANDELD

- | | |
|--|--|
| <ul style="list-style-type: none"> ➤ Metallurgy & Materials Science ➤ Operations Research ➤ Fluid Mechanics & Hydraulic Machinery ➤ Manufacturing Technology ➤ Mechatronics ➤ Production Planning and Control ➤ Statistical Quality Control ➤ Quantitative Analysis for Business Decisions ➤ Facility Planning and Design | <ul style="list-style-type: none"> ➤ Industrial Engineering and Management ➤ Total Quality Management ➤ Human Factor Engineering ➤ Mechanics of Solids & Metallurgy Lab ➤ Production Technology Lab ➤ Engineering Workshop Lab ➤ Engineering Drawing Lab ➤ Industrial Engineering Lab ➤ Computer Applications Lab ➤ Work Study Lab |
|--|--|

DEPARTMENTAL ACTIVITES

- Actively participated for Applying NAAC in Avanthi Institute of Engineering and Technology, Visakhapatnam.
- Applied Project Proposal MODROBS-AICTE-2019 in Department of Mechanical Engineering, Avanthi Institute of Engineering and Technology, Visakhapatnam
- Actively participated for Applying NBA-2014 in Andhra University.
- Actively participated for Applying NAAC-2016 in Andhra University.

- Actively participated for Applying UGC-SAP-CAS-II in 2016 (Project Value Rs.129.62 Lakhs) in Andhra University.
- Actively participated for Applying DST-FST-II in 2017 (Project Value Rs. 10 Cores) in Andhra University.

PERSONAL PROFILE

- Father's Name : CHALLA KONDAIAH
- Date of Birth : 05-06-1990
- Languages Known : English, Telugu and Hindi
- Nationality : Indian
- Religion : Hindu
- Gender : Male
- Passport No : W5303630
- PAN Card No : AROPC1094P
- Nationality : Indian
- Marital status : Married

DECLARATION:

“I hereby inform that the information furnished above is true to my knowledge”.



(Dr. CHALLA SURESH)