



DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY (Autonomous)

GANGURU :: VIJAYAWADA – 521 139.

(Approved by AICTE New Delhi, Permanently Affiliated to JNTU Kakinada)

ISO 9001:2015 Certified Institution, Accredited by NAAC-A grade & NBA for CSE& ECE.

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FACULTY PROFILE

Name of the Faculty:	Dr. Anil Kumar Chinta	
Designation	Associate Professor	
Email & Phone No	anilkumar121@diet.ac.in & 9491346768	
Department	Electrical and Electronics Engineering	
Educational Background	1. Ph.D from Annamalai University, Tamilnadu 2. M.Tech from VIGNAN University, Guntur 3. B.Tech from Acharya Nagarjuna University, Guntur	
Research Areas	Soft Computing Techniques for Renewable Energy Sources	
Experience	Electric Vehicles 13 Years 1 Month	

Sl. No	Institute	Designation	Period
1	DhaneKula Institute of Engineering and Technology	Associate Professor	06-04-2026 to till date
2	DhaneKula Institute of Engineering and Technology	Assistant Professor	12-08-2013 – 05-04-2026
3	Mentor Insight India Private Limited	Content Developer	28 th April 2010 – 29 th March 2011

List of Publications (National and International Journals): **Nine (09)**

1. “Control of Wind Energy System Driven by Permanent Magnet Synchronous Generator by Maximum Power Point Tracking Technique” International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), e-ISSN: 2278 – 8875, p-ISSN: 2320 – 3765, Volume 9, Issue 10, October 2020
2. “Arduino Based Smart Meter for Distribution Line Open Fault Identification and Intimation Using GSM” Journal of Electrical and Power System Engineering, e-ISSN: 2582-5712,

Volume-7, Issue-2 (May-August, 2021),
<http://matjournals.in/index.php/JOEPSE/issue/view/1237>.

3. “Autonomous Sensing, Monitoring and Controlling of Fire and Gas in Industries Using Robot” Journal of Control and Instrumentation Engineering, e-ISSN: 2582-3000 Volume-8, Issue-2(May-August,2022)
4. Chinta Anil Kumar, Dr. Kandasamy Jothinathan, Dr. Lingineni Shanmukha Rao, “A novel SIMIDCBC topology driven PMSM for PEV application”, International Journal of Applied Power Engineering (IJAPE) ISSN: 2252-8792, Volume-13 No. 1, March 2024. (Scopus Indexed).
5. Chinta Anil Kumar, Dr. Kandasamy Jothinathan, Dr. Lingineni Shanmukha Rao, “A novel 7-level reduced-switch MLI topology fed PMSM drive for electric vehicle system”, Indonesian Journal of Electrical Engineering and Computer Science (IJECS) ISSN: 2502-4752, Volume-33 No. 2, Febraury 2024. (Scopus Indexed).
6. “EV Charging Station by Solar Power” Journal of Electrical and Power System Engineering, e-ISSN: 2582-5712, Vol. 10, Issue 2 (May – August, 2024) pp: (32-42).
7. “Cryptography algorithms for enhancing security in IoT based Mafly- MPPT system under partial shading conditions” Journal of Discrete Mathematical Sciences & Cryptography ISSN 0972-0529 (Print), ISSN 2169-0065 (Online) Vol. 27 (2024), No. 7, pp. 1991–2003 DOI : 10.47974/JDMSC-2074
8. “Cybersecurity enabled electric vehicle charging and battery management system” Journal of Discrete Mathematical Sciences & Cryptography ISSN 0972-0529 (Print), ISSN 2169-0065 (Online) Vol. 27 (2024), No. 7, pp. 2111–2122 DOI : 10.47974/JDMSC-2084
9. “Optimization of Output Responses in Electrical Discharge Machining of Al6063 Alloy Composites with Silicon Carbide and Fly Ash” SAE Technical Papers”, M. N. V. S. A. Sivaram Kotha, Anil Kumar Chinta, G.S. Guru Dattatreya and M. Lava Kumar, Vinod G. Surange, Madhankumar Seenivasan, SAE Technical Paper 2024-01-5252, 2025, doi:10.4271/2024-01-5252. Published 28 Jan 2025.

National/International Conferences (National and International): Three (03)

1. **“A Novel Control Strategy for Self-Charging of a Electric Vehicle During Running Mode”** International Conference on Innovations in Electronics, Electrical & Communication Technologies (ICIEECT-21), ISBN:978-93-5473-424-3.
2. **“A Control Strategy used for Enhancing Reactive Power Management and Power Factor Correction in Large-scale HVDC Interconnections”** 2024 International Conference on Sustainable Power & Energy (ICSPE) | 979-8-3503-6605-1/24/\$31.00 ©2024 IEEE | DOI: 10.1109/ICSPE62629.2024.10924318
3. **“Protection Challenges in Photovoltaic Systems: A Review of Recent Innovations”** 2025

Patent:

Three (3)

1. **“Intelligent Artificial Intelligence And IOT Powered Efficient Energy Monitoring Architecture For The Smart Grid System”** PATENT APPLICATION PUBLICATION, Application No.202141049814, Publication Date: 12/11/2021.
2. **“Feed Motor In Automation Of Agribot Using MI”** Official Journal Of The Patent Office, Application No.202341062501 A, Publication Date: 06/10/2023.
3. **“Human Behavior Analysis Using AI”**, Official Journal Of The Patent Office, Application No.202341062951 A, Publication Date: 06/10/2023.

Text Books:

One (1)

1. Electrical Power System Analysis by Dr. P Lakshmi Narayana, Anil Kumar Chinta, Dr. Umakanta Choudary, Ms. Abhilasha Pawar, Infinite Research , ISBN: 978-93-48897-82-4.

Achievements / Awards etc:

1. “Topper Certificate” from VIGNAN University Guntur during M.Tech.
2. Received Appreciation for delivering Online lectures well during Lock Down from the Management of Dhanekula Institute of Engineering and Technology.
3. Editorial Board Member at MAT Journals (<http://matjournals.com/Editorial-Journal-of-Electrical-and-Power-System-Engineering.html>).
4. Organized a Five Day Faculty Development Program on “DESIGNING & DEVELOPMENT OF ELECTRIC VEHICLES”.
5. “Best Academician Award”, ConnectAIRE-2023 from Sahasra Research Foundation Hyderabad, India in association with Society for Learning Technologies, India on 01-10-2023.
6. “Best Paper Award”, during CJST-IJ Research Awards – 2024 Organized by Sri Padmavathi School of Pharmacy, Tirupathi, during 22nd 23rd December 2024.
7. “Dr. Sarvepalli Radhakrishnan Best Teacher Award”, during Solete International Awards – 2025 on 12-10-2025.
8. Best teacher of the Year 2026 on the occasion of National Teachers day September 5th 2026 by DevElet Technologies LLP.

Dr. Anil Kumar Chinta