



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.

E-mail: diet.principal@gmail.com, principal@diet.ac.in, website: www.diet.ac.in, Phone: +91-8333924842, 8333924843

FACULTY PROFILE

Name of the Faculty : Dr. Somasi Ananthasai

Designation : Associate Professor

Email & Phone No : ananthasaisomasi@diet.ac.in & +91-9848498972

Department : Electrical and Electronics Engineering

Educational Background: (Descending Order)

S No	Degree	University/ Institution	Year of Pass	% of Mar ks	Class
1.	Ph.D	GITAM Deemed to be University	2025	PASS	
2.	M. Tech. (EEE - PEED)	Joginpally B.R Engineering College, JNTUH	2015	83.69%	First Class with Distinction
3.	B. Tech. (EEE)	St.Mary's Engineering College, JNTUK	2012	62%	First Class
4.	Intermediate (M.P.C)	Sri-Viswa-Visakha Junior College.	2008	71.5%	First Class
5.	SSC	S.P.R.R High School	2006	75%	First Class

Research Areas : Renewable Energy Technologies, Renewable energy Sources, High Voltage Engineering.

Total Experience : 10 Years 10 Months

- **Teaching Experience:** 7 Years 10 Months
- **Research Experience :** 3 Years

S. No	Institute/University	Designation	Period
1	Dhanekula Institute of Engineering and Technology	Associate Professor	14 th July 2025 - Till date
2	Sankethika Institute of Engineering and Technology	Assistant Professor	30 th September 2024 to 13 th May-2025
3	GITAM Deemed to be University	Full time Research Scholar	29 th September 2024 to 1 st September 2021
4	Joginpally B.R Engineering College	Assistant Professor	29 th August 2021 to 1 st September 2015





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Published International Journals

1. Somasi, A. S., & Srichandan, K. (2023). Sustainable solution for water crisis in Indian coastal district: A multi-criteria approach to evaluating solar PV powered reverse osmosis desalination. *AIP Advances*, 13(11).
2. Somasi, A. S., & Kondamudi, S. (2024). Fuzzy TOPSIS and Fuzzy AHP-based MCDA for selecting the Optimal Location for a Solar PV-powered RO Desalination Unit in Visakhapatnam, India. *Engineering, Technology & Applied Science Research*, 14(3), 13837- 13844.
3. Somasi, A. S., & Srichandan, K. (2024). A novel design of multilevel disk-type axial flux eddy current heating (AFECH) device: A sustainable approach for feed water heating in reverse osmosis desalination. *AIP Advances*, 14(8).
4. Srilatha, A., Kondalu, M., & Ananthasai, S. (2014). Non-Inverting Buck–Boost Converter for Charging Lithium-Ion Battery using Solar Array. *International Journal of Scientific Engineering and Technology Research (IJSETR)*, 3(11), 2364-2369.
5. Ananthasai, S., Babu, G. S., & Kondalu, (2014) M. Back To Back Cascaded Harmonic Bridge Converter. *International Journal of Scientific Engineering and Technology Research (IJSETR)*, 1098-1102
6. Srilatha, A., Kondalu, M., & Ananthasai, S. (2014). Non-Inverting Buck–Boost Converter for Charging Lithium-Ion Battery using Solar Array. *International Journal of Scientific Engineering and Technology Research (IJSETR)*, 3(11), 2364-9.

Published International Conferences

1. Somasi, A., & Srichandan, K. (2022). Study on Economic and Technological Feasibility of Solar PV-Powered Desalination Plant at Chinna Rushikonda, Visakhapatnam. In *Recent Evolutions in Energy, Drives and E-Vehicles* (pp. 565-576). Singapore: Springer Nature Singapore.
2. Somasi, A., & Srichandan, K. (2023, June). Feasibility Study of Stand-Alone Solar PV Powered Desalination Plant at Yarada, Visakhapatnam. In *2023 International Conference on Advanced & Global Engineering Challenges (AGEC)* (pp. 38-43). IEEE.
3. Assessing Feasibility of Solar-Powered Desalination in Visakhapatnam Using Weighted Normalized Decision Matrix (WNDM), *Web of Science Indexed- AIP Conference Proceedings-2024-ICIAET24-CBIT-Proddutur ---- 5-6 April 2024*, Vol. 3237. No. 1. AIP Publishing, 2025.

Achievements/Awards etc : Received M.V.V.S. Murthy Fellowship for 3-Years under Research time in GITAM Deemed to be University.

Journal Reviewer: Engineering, Technology & Applied Science Research (ETASR)

Dr Somasi Ananthasai