

## FACULTY VITAE

Name – Chunchu Rambabu

Education –

Ph.D., Instrumentation, Rayalaseema University, Kurnool, 2018.

M. Tech., Instrumentation and Control Engineering, Bharath University, Chennai, Tamil Nadu, 2006.

B. Tech., Electronics and Control Engineering, JNTU, Andhra Pradesh, 2004.

Academic experience –

Dr. M.G.R. Educational and Research Institute, Chennai, Professor, From 2022- Present.

Arba Minch University, Ethiopia, Assistant Professor, From 2017-2022.

Dr. M.G.R. Educational and Research Institute, Chennai, Assistant Professor, From 2006-2017.

Non-academic experience –NIL

Certifications or professional registrations –NIL

Current membership in professional organizations -

IAENG (International Association of Engineers)

Honors and awards-

Received Research contribution certificate in the year 2015 on 30-05-16 at Dr. M.G.R. Educational and Research Institute.

Received Dr. APJ Abdul Kalam Research Publication award in the year 2015 on 30-05-16 at Dr. M.G.R. Educational and Research Institute.

Received exemplary commitment towards research excellence in achieving the 14th rank with journal h-index as 26 in the university level top 25 ranking in the publication bin category of E&T, MBA, MCA & H&S for the period 2009-2016 at Dr. M.G.R. Educational and Research Institute on 30-05-16.

Received remarkable contribution certificate as an organizer in the two days national conference crossroads 2016 at Dr. M. G. R. Educational and Research Institute on 21-04-16 & 22-04-16.

Received Research contribution certificate in the year 2014 on 20-01-15 at Dr. M.G.R. Educational and Research Institute.

Service activities (within and outside of the institution)

Reviewer for Journal - Journal of Medical System (JOMS).

Reviewer for Journal - International Journal of Intelligent Computing and Cybernetics (Emerald publishing).

ISO (International Organization for Standardization) Coordinator

IQAC (Internal Quality Assurance Cell) Coordinator

NBA (National Board of Accreditation) Coordinator

BIS(Bureau of Indian Standards) Coordinator

Organized 6 days training program on PLC and SCADA

Organized 6 days FDP on VLSI design

Briefly list the most important publications and presentations from the past five years –

Publications:

Neelam Sanjeev kumar, Chunchu Rambabu et. al., Design of NULLMAC Protocol for Mobile Ad Hoc Network Using Adaptive Antenna Array, Hindawi Mobile Information Systems, Volume 2023, Article ID 2952410, 11 pages, <https://doi.org/10.1155/2023/2952410>

Mahesh Kumar, Chunchu Rambabu et. Al., A Traffic Density-Based Congestion Control Method for VANETs, Hindawi Wireless Communications and Mobile Computing Volume 2022, Article ID 7551535, 14 pages, <https://doi.org/10.1155/2022/7551535>

Chunchu Rambabu, F Fareeza , et.,al., “Future energy source for remote IoT system using MEMS-Based piezoelectric energy harvesting Devices”, Journal of Physics: IOP publishing ltd, Vol 1979, DOI: 10.1088/1742-6596/1979/1/012067.

Chunchu Rambabu, F Fareeza, et. al., “Efficient micro-grid connected solar, wind, mini-gas-turbine, diesel generator and battery storage integrated electrical vehicle charging station with variable capacity”, International journal of Advanced science and Technology, Vol 29, No.9s, (2020), pp.6674-6682.

**Patent:**

Title of invention: Deep Learning Based Method for Minimizing Haze from an Image File, Patent number: 2020104347, Certificate of grant Innovation patent by Australia government.

**Briefly list the most recent professional development activities –**

Organized and participated in six Days Faculty Development Programme on VLSI Design Online Faculty Development Programme on “Designing chips with low power artificial intelligence” from 22.04.2024 to 01.05.2024, Dr. M.G.R. Educational and Research Institute in association with NIT Warangal.

International Scientific Conference” University Science: A look into the Future” from 08.02.2024 to 09.02.2024, Kursk State Medical University, Russia co-hosted by Dr. M.G.R Educational & Research Institute, Chennai.

FDP on “Communication and Computation” from 13.12.2022 to 19.12.2022, Dr. M.G.R. Educational & Research Institute.

Participated in Workshop and Conference

Preparing paper for International Journal

Involved in the ISO External Audit, which took place at different campuses within the University.

**Books Published:**

Text Book on “Circuit Theory”, Dr. Swapna, Dr. U. Jayalathsumi, Dr. Chunchu Rambabu and Dr. G.Kavitha,2023,ISBN No: 978-93-5577-511-5, 2023 published by Charulatha Publications.

A Gist on Creativity”, ISBN No 978-2-12-345680-3, Published by Department of Electrical and Electronics Engineering, Dr. M.G.R. Educational & Research Institute, Chennai.

“Enjoying Electronics Through Interactive Comprehension (A Learner for Electronics Concepts)”, ISBN No 978-93-84654-08-5, Published by Department of Electronics and Communication Engineering Dr. M.G.R. Educational & Research Institute, Chennai.