

Faculty Profile



Dr. K.Chanthirasekaran, M.E., Ph.D

Professor – ECE

HIGHLIGHTS:

- Number of Journal Publications 58
- H-Index 12
- Project Funding Received 02
- Patents Published 08
- Patents Granted :-

PROFESSIONAL LINKS:

- Scopus ID: 37080135700
- Scopus Link : <https://www.scopus.com/authid/detail.uri?authorId=37080135700>
- Google Scholar ID: scholar.google.co.in/citations?user=IVPwuHMAAAAJ&hl=en
- Anna University Faculty ID : 278417
- AICTE Faculty ID: 1-9321370304
- Anna University Supervisor ID: 2740100
- LinkedIn: <https://www.linkedin.com/in/dr-k-chanthirasekaran-3615272a5/?origi>

PROFESSIONAL BACKGROUND:

- Teaching Experience till date : 30 Years
- Industrial Experience : Nil

INTERNATIONAL EXPOSURE:

- NA

AREA OF SPECIALIZATION:

- MIMO
- Wireless Networks

Ph.Ds AWARDED WITH DETAILS:

S:No	Name of Scholar	Title of Thesis	Year of Completion	Full Time/Part Time
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Ph.Ds GUIDING:

- Full Time Scholars : 01
- Part Time Scholars : 02

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

- Rs. 13.5 Lakhs Received- DRDO sponsored research project titled “Low Latency Approach for Inter Tank Communication using MIMO-MANET” under DRDO-EXTRAMURAL RESEARCH GRANT
- Rs. 12 Lakhs Received- AICTE-MODROB project titled “Modernization of Optical Communication Lab.
- Algorithms design, development and VHDL implementation for automatic modulation recognition for various analog and digital modulations -Funding Applied to ISRO - U R Rao Satellite Centre (URSC), Bengaluru.

PATENTS PUBLISHED/GRANTED:

- IoT and ML Based Elderly Support System For Independence in Daily Life, Publication Date: 08.03.2024, No: 202441009109A.India
- System and Method for Detecting Health Anomalies using IoT Sensors and Machine Learning, Publication Date: 08.03.2024, No: 202441009110A.India
- Privacy and Data Protection in IoT-driven Mobile Internet Systems
- IoT Driven Automated Water Quality Monitoring using AI for Smart Industrial Area. Publication Date: 01.04.2022, No: 202241016179A.India
- Dynamic Device Management Frame Work For Smart Industries Using OMA- DM IOT Protocol, Publication Date :19.2.21, No: 202141005635.India
- Localization method using integrated sensors in autonomous scrubbing robots for industrial cleaning, Publication Date :21.4.21, No: 2021101252, Australia
- Design System of an Efficient SDFRM Security System for Blockchain-based IoT. Publication Date :25.2.22, No: 202241007817

COURSES CERTIFIED:

- Advances in Wireless Communications
- Digital Image Processing using Matlab
- HTML from Sololearn
- Python

ACHIEVEMENTS AND AWARDS:

- Best Teacher award in St. Joseph’s College of Engineering, Chennai.

- Distinguished Professor Award by Novel Research Academy

SPECIAL SESSIONS DELIVERED:

- Session Delivered on MIMO construction for Error Analysis
- Session Delivered on Antenna Design using MMNA software

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

- Presented the paper titled “Individual User-Based Threshold Scheduler to Improve Error-Rate Performance for Multiuser MIMO System” in 2023 9th International Conference on Smart Structures and Systems (ICSSS) (pp. 1-5). IEEE, November 2023.
- Presented the paper titled “Per User Based Multi Threshold Scheduling for BER Improvement Compared to Priority Scheduling in MUMIMO Networks” in the International conference on Advanced Communication and Intelligent Systems, 2023.Springer.
- Presented the paper titled “Reflection Coefficient Improvement of Leather Substrate Wearable Antenna with Square and Circular Slot compared to Cotton Substrate Antenna”, Proceedings of the 2022 11th International Conference on System Modeling and Advancement in Research Trends, SMART 2022,
- Presented the Paper titled “Threshold based Adaptive Scheduling for Multi-User MIMO Networks” in Proc. of International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI), 28-29 Jan. 2022

PROFESSIONAL MEMBERSHIPS:

- IETE
- ISTE

OTHER DETAILS (If any):-