

# **Faculty Profile**



**Dr. C. Anna Palagan, M.E., Ph.D**  
Professor - ECE

## **HIGHLIGHTS:**

- Number of Journal Publications : 38
- H-Index : 04
- Project Funding Received : 01
- Patents Published : 06
- Patents Granted : 02

## **PROFESSIONAL LINKS:**

- Scopus ID : 46161558900
- Scopus Link : [https://www.scopus.com/authid/detail.uri?authorId= 461615 58900](https://www.scopus.com/authid/detail.uri?authorId=46161558900)
- Google Scholar ID : <https://scholar.google.com/citations?user=E9YI3z4AAAAJ&hl=en>
- Anna University Faculty ID : 268156
- AICTE Faculty ID : 1-4246238572
- Anna University Supervisor ID : NA
- LinkedIn : <https://www.linkedin.com/in/dr-c-anna-palagan-601656ba/>

## **PROFESSIONAL BACKGROUND:**

- Teaching Experience till date : 19 Years
- Industrial Experience : 01 Year

## **INTERNATIONAL EXPOSURE:**

- NA

## **AREA OF SPECIALIZATION:**

- SPEECH SIGNAL PROCESSING
- DIGITAL IMAGE PROCESSING
- IoT and AI

#### **Ph.Ds AWARDED WITH DETAILS:**

<b>S:No</b>	<b>Name of Scholar</b>	<b>Title of Thesis</b>	<b>Year of Completion</b>	<b>Full Time/Part Time</b>
		<b>NA</b>		

#### **Ph.Ds GUIDING:**

- **Full Time Scholars : NA**
- **Part Time Scholars : NA**

#### **SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:**

Act as a Co-PI in the funded project titled as **“Implementation of Multi-Step Process for Accurate and Precise Brain Tumor Detection Using Image Processing Techniques Controlled by A Decision Matrix and Machine Learning Node”** under : **JNTUH/TEQIP-III COLLOBORATIVE RESEARCH PROJECT** with Sanction letter no.: **JNTUH/TEQIP-III/2019/CSE/05**. Total Project Cost : Rs.2,80,000/-, Date of Commencement of Project:23-07-2019. This project completed on 08/02/2021.

#### **PATENTS PUBLISHED/GRANTED:**

1. Patent Published in the Title of **“INTERNET OF THINGS BASED CIVIC INFRASTRUCTURE OVERSIGHT AND CONTROL PLATFORM (202441051990)”** on 12/07/2024.
2. Patent Published in the Title of **“SELF-LEARNING AND SELF-HEALING SOFTWARE SYSTEM FOR AUTONOMOUS DETECTION AND MITIGATION OF CYBER ATTACKS (202441052751)”** on 19/07/2024.
3. Australian Patent granted in the title of **“INTEGRATED HEALTHCARE SYSTEM USING IOT AND CLOUD COMPUTING (2020103992)”** on 09/12/2020.
4. Patent Published in the Title of **“A NOVEL METHOD OF A LOW-COST HYGIENE SMART TOILET SYSTEM USING INTERNET OF THINGS (202041028278)”** on 23/10/2020.
5. Australian Patent granted in the title of **“AN EFFICIENT SYSTEM AND METHODOLOGY TO MONITOR THE DIAGNOSTIC LABORATORY REPORTS ON CLOUD (2020101378)”** on 05/08/2020.
6. Patent Published in the Title of **“DEEP LEARNING BASED RETINAL MICROVASCULAR MEASUREMENT OF EYE (201941040242)”** on 18/10/2019.
7. Patent Published in the Title of **“QUALITY HEALTHCARE AND REDUCED HEALTHCARE SPENDING ACHIEVED THROUGH ARTIFICIAL INTELLIGENCE AND BIGDATA (201941031693)”** on 16/08/2019.
8. Patent Published in the Title of **“AN EMPLOYEE MANAGEMENT SYSTEM (201841044752)”** on 07/12/2018.

#### **COURSES CERTIFIED:**

- NA

## ACHIEVEMENTS AND AWARDS:

### BOOKS/BOOK CHAPTERS:

1. Dr. K.V.Raghavender, Dr.T.Prabakaran, **Dr.C.Anna Palagan** and Dr.P.Ravikumar, "COMPUTER NETWORKS- AN INTRODUCTION", AkiNik Publications, ISBN : 978-93-90541-99-7.
2. Dr.Thangadurai.N., **Dr.C.Anna Palagan**, Dr.B.P.Pradeep Kumar, Dr.Gayathri .K.M., Mrs.Sree Ranjani, Ms.Srujana.R., "DIGITAL COMMUNICATION FUNDAMENTALS", Harshwardhan Publications Pvt. Ltd., ISBN : 978-93-89003-66-6.
3. **Dr.C.Anna Palagan**, Dr.R.Ravi Chakravarthi, Mr. Ravindra Ratilal Dharamshi, Mrs. R.J Ramasree & Mr. Sanjai Gupta, "INTRODUCTION TO ARTIFICIAL INTELLIGENCE AN OVERVIEW", AkiNik Publications, 978-93-5570-393-4.
4. **C.Anna Palagan**, "A PREDICTION METHOD USING INSTANTANEOUS MIXING PLUS AUTO REGRESSIVE APPROACH IN THE FREQUENCY DOMAIN FOR SEPARATING SPEECH SIGNALS BY A SHORT TIME FOURIER TRANSFORM", Advanced Engineering Research and Applications, Research India Publications, Chapter 24, pp 242-257, ISBN : 978-93-87374-32-4.

### AWARDS:

- He has received "**Innovative Research & Dedicated Teaching Professional (Electronics and Communication Engineering)**" award received from "The Society of Innovative Educationalist & Scientific Research Professional" in the year 2018 held in **KATHIR College of Engineering, Coimbatore, India.**
- He has received "**Innovative & Dedicated Research Professional Achievement Award**" received from "The Society of Innovative Educationalist & Scientific Research Professional" in 2018 held in **UNIVERSITI TEKNOLOGI MARA (UiTM), Puncak Alam, Malaysia.**
- He has Received "**IASTE Excellence Teaching in Higher Education Award**" from the International Association for Science and Technical Education in the year 2019 held in **Chennai, India.**

### SPECIAL SESSIONS DELIVERED:

- NA

### CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

1. Attended One Week Online Short Term Training Programme (STTP) on "Embedded Systems, IoT and Security" conducted by "Sri Venkateswara College of Engineering, Chennai" from 10<sup>th</sup> June, 2024 to 14<sup>th</sup> June, 2024.
2. Attended one week Faculty Development Program on "Artificial Intelligence in Education: Integrating AI into Computer Science Curriculam" conducted by "Department of Computer Science and Engineering, St.Xaviers Catholic College of Engineering, Chunkankadai" from 24<sup>th</sup> June, 2024 to 29<sup>th</sup> June, 2024.
3. Attended one week Faculty Development Program on "THE ART & SCIENCE OF GENERATIVE AI" conducted by "Department of Electronics and Computer Engineering, of G.S. Mandal's, Maharashtra Institute of Technology, Chhatrapati Sambhajinagar In association with CGI London, UK" from 08<sup>th</sup> July, 2024 to 12<sup>th</sup> July,

2024.

4. Attended one week Faculty Development Program on “Future-Proofing Engineering Education: Emerging Trends and Technologies” conducted by “Department of Computer Science and Engineering & Department of Electronics and Communication Engineering, Vins Christian College of Engineering, Chunkankadai” from 23<sup>th</sup> July, 2024 to 27<sup>th</sup> July, 2024.

**PROFESSIONAL MEMBERSHIPS:**

- ISTE LIFE MEMBER

**OTHER DETAILS (If any):**

**REVIEWER FOR INTERNATIONAL JOURNALS**

1. Biomedical Engineering
2. The International Journal for Computation and Mathematics in Electrical and Electronic Engineering
3. IET Electronics Letters
4. International Journal of Statistics in Medical Research
5. International Journal of Physical Medicine & Rehabilitation
6. International Journal of Technological Advances and Scientific Research
7. International Journal of Research
8. International Journal of Circuits, Systems and Signal Processing
9. International Journal of Multimedia Tools and Applications
10. International Journal of Education and Multidisciplinary Studies
11. IRA international Journal of Applied Sciences
12. IRA international Journal of Technology & Engineering