

Faculty Profile



Dr. R. KARPAGA PRIYA, M.E., Ph.D.
Assistant Professor (S.G.) - EEE

HIGHLIGHTS:

- Number of Journal Publications: 27
- H-Index: 03
- Project Funding Received: -NA-
- Patents Published: 1
- Patents Granted: --NA--

PROFESSIONAL LINKS:

- Scopus ID: 56872847900
- Scopus Link: <https://www.scopus.com/authid/detail.uri?authorId=56872847900>
- **ORCID:** 0000-0002-0984-5099
- Google Scholar ID: <https://scholar.google.com/citations?hl=en&user=zNHQ0cIAAAAJ>
- Anna University Faculty ID: 264858
- AICTE Faculty ID: 1-3391567257
- Anna University Supervisor ID: --NA--
- LinkedIn: karpaga-priya-634bb594

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 11 years
- Industrial Experience: --NA--

INTERNATIONAL EXPOSURE: Nil

AREA OF SPECIALIZATION:

- Embedded Systems Technologies
- VLSI Design
- Wireless and IoT

Ph.Ds AWARDED WITH DETAILS: Nil

S:No	Name of Scholar	Title of Thesis	Year of Completion	Full Time/Part Time

Ph.Ds GUIDING: Nil

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

- Field Oriented Control (FOC) based BLDC/Stepper Motor Drive Electronics for ISRO respond basket.
- Smart Automated Sericulture using Sensor Network on Embedded System - TNSCST
- Mobile controlled LawnMower using Bluetooth module – TNSCST
- Automatic Fabric fault detection using image processing – TNSCST

PATENTS PUBLISHED/GRANTED:

- System for Smart Garbage bin for Power Generation – Published

COURSES CERTIFIED:

- Microsoft 365 Copilot Course in Coursera on Jul 2024.
- Introduction to Github Copilot in Coursera on Jul 2024.
- Completed 12 weeks Course “Introduction to Internet of Things” in NPTEL Swayam.
- Distinction in IUCEE INTERNATIONAL ENGINEERING EDUCATOR CERTIFICATION PROGRAM – Spring 2023 from Indo Universal Collaboration for Engineering Education (IUCEE).
- One month Internship in Advanced Embedded IoT at Enthu Technology Solutions India Pvt Ltd.
- Energy Literacy Training course completed 12 modules by Energy Swaraj Foundation.

ACHIEVEMENTS AND AWARDS:

- “ Faculty Advisor Award “ By IEI KLC.
- Achieved “Top Performing mentor”by NPTEL Swayam for Introduction to Internet of Things
- "International Research Awards on Welding Technology" under the category of "Women Researcher Award".

SPECIAL SESSIONS DELIVERED:

- Given a Webinar on “Sensor and Technology” on 10th February 2023 in Mother Theresa College of Engineering & Technology, Pudukottai
- Given a Webinar on “Recent Trends in Communication Systems” on 30th August 2022 in Mother Theresa College of Engineering & Technology, Pudukottai.
- Given a Guest Lecture on “Android Technology” on 29 January 2016 at 11 am in S.Vellaichamy Nadar College, Nagamalai, Madurai - 625019

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED:

Organized:

- IEI Sponsored All India Workshop on “ An overview of the present and future outlook of Electric Vehicles in India: Approaches and Perspectives” on 05.11.2024 & 06.11.2024.
- Seminar on “ Elevating your SOP : Essential Career Guidance and college selection for Global Academic Success” on 31.08.2024.
- 5 Days Faculty Development Program on “Sustainable Lighting Design in Modern Industry Using DIALux Evo" on 31.01.2024 to 04.02.2024.
- Seminar on “ Energy Security in the age of Energy Transition: Balancing Reliability and Sustainability” on 14.12.2023.
- Inaugurated IEI New Student Chapter on 14.12.2023.
- Overall Drestein 2023 Project Display competition on 02.11.2023
- Seminar on “Reform Career Pathway to fly abroad on 11.11.2023
- Workshop on “Android on Raspberry Pi- Hands on Training” on 26.10.2023 & 27.10.2023.
- Seminar on “ Importance of Software skills in electrical and utility market” on 15.09.2023.
- Guest Lecture on “ Power Architecture of XEV’s” on 27.05.2023
- Seminar on “Higher education in abroad – Ireland” on 13-03-2023.
- Workshop on “EV battery assembling using Lithium Iron Phosphate Battery cells” on 15.11.2022.
- Seminar on “Career Opportunities for MBA and Higher Education” on 12.10.2022

Attended:

- One week AICTE ATAL FDP on “ Electric Vehicles: Technological Innovations and Market Trends”, 02/12/2024 to 07/12/2024 organised by Saveetha Engineering College.
- Presented a paper at the “International Conference on Power, Energy, Control and Transmission Systems “on 8th & 9th October 2024.
- “Being Industry ready with system modelling skills” 01.06.2024, Organised by MathWorks, India.
- Six days IFDP “Harnessing AI for Healthcare Excellence “, 24.06.2024-29.06.2024 organized by SRM IST Ramapuram.
- Five days FDP on “Exploring the Frontiers of Artificial Intelligence: Theory, Application & Ethics”, 8th - 12th July, 224 organised by Prathyusha Engineering College.
- Innovation and Intellectual Property Rights (IPR) Awareness Program/s, July 01 – Aug 05, 2023 organized by CSIR – IMMT.

- 7 days Online International FDP on “ Latest trend and techniques in software engineering: An Industry Perspective” from 20.01.2024 to 27.01.2024 organized by Christ University, Bangalore.
- Six Days online FDP on “Recent Advancements in materials, manufacturing and technology” from 30-10-2023 to 04-11-2023 organized by Swarnandhra College of Engineering & Technology.
- One – week online Professional Development Programme on “Recent advances and challenges in Electric Vehicles” from 23-10-2023 to 28-10-2023 organized by IEEE PES chapter in association with IEEE VCE SB, Vardhaman College of Engineering, Shamshabad.
- Webinar on “Carbon capture utilization and storage” on 19-10-2023 organized by SRM Madurai college of engineering & technology.
- DST Sponsored Three weeks online “Women Entrepreneurship Development Programme” on 14-08-2023 to 04-09-2023 organized by Rajalakshmi Institute of Technology.
- STTP on “ Applied Machine Learning : Unleashing its Real world Potential” from 31-07-23 to 04-08-2023 organized by Siksha ‘o’Anusandhan.
- Online symposium on optimization of GMR. Sensor location on Induction motor for online rotor fault prediction at INTI International university on 31-05-2-23.
- Webinar on” Scientific Social Responsibility for Women” organized by MIT campus , Anna University on 31-03-2023.
- Online FDP on” Advancements in Wearable Electronics (AWE-2023)” FROM 13-03-2023 to 15-03-2023 organized by VIT Chennai.
- One Week IFDP on “Bio-Inspired Optimization Techniques Programming” from 4.01.2023 to 10.1.2023 organized by Eswari Engineering College.
- One Week IFDP on “Research Innovations and Emerging Advances in Electrical Engineering” from 5.01.2023 to 12.1.2023 organized by Eswari Engineering College.
- Five days FDP on” Advanced Green Computing Technology in Healthcare” from 26.12.2022 to 30.12.2022 organized by Saveetha IEEE branch.
- Five days FDP on “Inculcating Universal Human Values in Technical Education” from 19.12.2022 to 23.12.2022 organized by AICTE
- Two Weeks ATAL FDP on “Integration of Renewable energy technology for Smart Ships and Hands-on-training in solar system design using simulation software” from 31.10.2022 to 5.11.2022 and 7.11.2022 to 11.11.2022 organized by AMET university.
- Three days Online National Level Seminar on “Effective Implementation of NEP Multidisciplinary Education and Strategies” from 10.11.2022 to 12.11.2022 organised by NAAC.
- International Short Term Training Programme on “Research Trends in EV Technology and Sustainable Microgrids” from 05.11.2022 to 09.11.2022 organized by NIT, Jamshedpur.
- Seminar on “overview of IPR & patent filing procedures” organized by IPR Cell, Saveetha Engineering College, Chennai held on August 27th 2022.
- Attended virtual open source conference: Proliferation of open source for Emerging Technologies conducted by IEEE ComSoc Bangalore chapter & Samsung R&D Institute India, Bangalore on July 7, 2022.
- Attended one day webinar on “Overview of Securities Market and Career Growth”, held on 4th April 2022 organised by the BSE Investors Protection Fund as an Investor Awareness Initiative.

- Participated in the two day “International E-Conclave on Industry 4.0 “ organised by the dept.of B.Com-ISM conducted by Hindu college, Pattabiram, Chennai on 27th & 28th of sep 2021.
- Participated in the ISTE sponsored “Three days workshop on Research & Development Activities”, conducted by Sai Ram Engineering college, held from 28th December to 30th December.
- Participated & Completed Successfully AICTE Training & Learning (ATAL) Academy online FDP on “Control systems & Sensors Technology”, from 21st to 25th September 2020 at Indian Institute of Information Technology, Nagpur.
- Participated in the AICTE sponsored six day online STTP on “Electric cars Technologies & Modern Power System – series ii” organised by EEE dept, Kamaraj college of Engineering & Technology during 7th to 12th September 2020.
- Participated in Short Term Training program on “Hands on Training: Virtual Laboratory” under IITM PALS VLAB on 6th august 2020 organised by Ramco Institute of Technology, Rajapalayam in association with ISTE Faculty chapter.
- Participated & Completed Successfully ”Online Spoken FDP on Advanced Communication Laboratory” in Association with industries from 20th July to 25th July 2020 organised by dept of ECE of PSNA College of Engineering & Technology.
- Participated in a 3 day workshop on “Latest Innovative Techniques in Engineering” from 15th July to 17th July 2020 conducted by the dept. Of ICE, Saranathan College of Engineering.

PROFESSIONAL MEMBERSHIPS:

- IEI – Life Member - AM3069934
- IAENG – Member No: 187543
- SCRS – Member No: 2024-09-04-6267

OTHER DETAILS (If any):