



NEW PRINCE SHRI BHAVANI COLLEGE OF ENGINEERING AND TECHNOLOGY

(Affiliated to Anna University)

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Department of Electronics and Communication Engineering

Personal Details

Name:	Ms. G. Vijayakumari
Designation:	Assistant Professor
Educational Qualification:	M.E., P.hD.,
Experience:	14 years
Area of Specialization:	Applied Electronics

Educational Details

Sl.No.	Degree	Branch/Specialization	Institute/University	Year
1	B.E	Electronics and Communication Engineering	A.V.C College of Engineering, Anna University	2005
2	M.E	Applied Electronics	Sri Lakshmi Ammal Engineering College, Anna University	2013

Publication Details

International Journal (Mention Vol. No. Issue No. Page No. Month and Year of Publication)

1. **G. Vijayakumari**, "Study on Multi-Tone Piano Transcription Algorithm Based on BPNN", 2023 Second International Conference On Smart Technologies For Smart Nation (Smartv TechCon), 2024.
2. **G. Vijayakumari**, "Real Time Fog Removal with Improved Quality and Accident Prevention" International Journal for Research Applied Science and Engineering Technology, Volume 9 Issue I January 2021.

3. **G. Vijayakumari**, "A Foot Print Recognition System for Diabetic Patient", International Journal of Innovative Research in Science, Engineering and Technology, vol 6, ISSN NO:2347 – 6710, Issue no:3, March 2017
4. **G. Vijayakumari**, "ARM Based Wheelchair Controlled System", International Journal of Innovative Research in Computer and Communication Engineering, vol 5, ISSN NO:2320 – 9798, Issue no:3, March 2017
5. **G. Vijayakumari** "Design and Implementation of Parallel Pipelined Architecture for The FFT Using FPGA", International Journal of Computer Science and Information Technology Research Excellence, vol3, Issue 2, Apr 2013.

International Conference (Mention ISBN No. Page No. Month and Year of Publication)

1. **G. Vijayakumari**, "A Foot Print Recognition System for Diabetic Patient" 4th International Conference on Contemporary Challenges in Engineering and Management", ICCCEM 2K17, on 8.4.2017 at ARM College of Engineering and Technology, Chennai.
2. **G. Vijayakumari**, "Intelligent Ambulance with Traffic Control System Using RFIDS and IOT", International Conference on Innovation in Signal Processing and Communication in Electronics and Communication Engineering (ICISPC'2018) on 03.3.2018 & 04.03.2018 at ARM College of Engineering and Technology, Chennai.
3. **G. Vijayakumari**, "Soldier Monitoring of Location Tracking System Using IOT", International Conference on Science Technology Engineering & Mathematics (ICONSTEM'19) on 14.3.2019 & 15.3.2019 at JEPPIAAR Engineering College, Chennai.
4. **G. Vijayakumari**, "IoT Based Crop Protection System from Wild Animals Attack" Virtual Conference on Artificial intelligence, Network security, Data science and IOT. -VCANDO'2020 on 6.8.2020 & 7.8.2020, by Department of CSE, Velammal Engineering College.

National Conference (Mention ISBN No. Page No. Month and Year of Publication)

1. **G. Vijayakumari** National Conference on Computing NCC'09, Bharathiyar Engineering College, Karaikal.
2. **G. Vijayakumari** National conference on Advances in Electrical and Electronics Engineering (NCAEEE'13), Sri Venkateshwara College of Engineering, Chennai.

3. **G. Vijayakumari**, “National Conference on Embedded system, VLSI and Signal Processing” (NCEVSP’13), Sri Lakshmi Aammal Engineering College, Chennai.
4. **G. Vijayakumari**, “An Alternate Solution for Neural Point Clamped Multilevel Inverter With Reduced Power Switches”, National Conference on Smart Traffic and Parking Infrastructure Solutions in Electronics and Communication Engineering (STPIS’2017) on 20.2.2017 at ARM College of Engineering and Technology, Chennai.

Professional Society Membership

1. IETE (The Institution of Electronics and Telecommunication Engineers) Fellow Member: F-503757
2. ISTE (The Indian Society for Technical Education) Life Member: LM 58641
3. IAENG (International Association of Engineers) IAENG Member: 186155

Program Organized

FDP/STTP (Give Details only if applicable, otherwise exclude this title)

Workshop (Give Details only if applicable, otherwise exclude this title)

1. Three Days Workshop on "BASIC PYTHON SKILLS", 24.6.2020-26.6.2020 at NPSBCET, Chennai.

Seminar/Webinar (Give Details only if applicable, otherwise exclude this title)

1. Two Days Hands-on-Training on Advancements in Embedded Systems & IOT @ 13.08.24 & 14.08.24.
2. Seminar on “Lean Start-Up& minimum Viable Product/Business” on 16.07.24
3. Hands-on Training on “Advancements in IOT, AL & ML” handled by TESSOLVE Semiconductor Pvt.Ltd. on 23-05 -24 to 25-05-24.
4. One Day motivational talk on “Today’s Youth, Tomorrows Successful Professionals” on 19-04-2024
5. One Day Seminar on “Biometrics-The Future of Authentication” on 27-07-2023 at NPSBCET, Chennai.

Program Attended

FDP/STTP (Give Details only if applicable, otherwise exclude this title)

1. One Week FDP on “AI/ML and Data Science for industry 4.0 (Intermediate Level) at NITTR, Chandigarh, on 29-01-2024 to 02-02-2024.

2. Six days ATAL FDP on Outcome-based Research: VLSI Design and Modelling at Bharath Institute of Science and Technology, Chennai, on 11-12-2023 to 16-12-2023.
3. Six Days Online Short-Term Training Programme on Future Technologies: Insights and Challenge Organized by Sri Venkateswara college of Engineering, Chennai
4. Six Days AICTE Sponsored STTP on "mm Wave Antenna Design and Testing for Biomedical Applications", 03.05.2021 - 08.05.2021, organized by Department of Electronics and Communication Engineering, Sai Ram Engineering College, Chennai.
5. Five Days AICTE ATAL FDP on "Internet of Things (IoT)", 26.12.2020-30.12.2020 organized by Department of Electronics and Communication Engineering, National Institute of Technology Puducherry.
6. AICTE Sponsored Six Days online Short Term Training Program on "Internet of Things and its Applications", 07.12.2020 - 12.12.2020 organized by Department of Information Technology, SRM Valliammai Engineering College.
7. Six Days AICTE Sponsored STTP on "Recent Advancements of Computational Electromagnetics in Modern Microwave" 12.10.2020 - 17.10.2020, organized by Department of ECE, Sri Venkateswara College of Engineering.
8. Five Days AICTE ATAL FDP on "Blended and Flipped Approach In Teaching And Learning", 2020-8-24 to 2020-8-28 at National Institute of Technical Teachers' Training and Research, Chennai.
9. Six Days -AICTE Sponsored STTP on "Research Areas in Smart Antenna Design For CUBESAT Applications", 31.10.2019 to 06.11.2019, Organized by Department of Electronics and Communication Engineering, Sai Ram Institute of Technology, Chennai.
10. Two-Week Anna University FDP on "EC8493-Linear Integrated Circuits", 26.11.2018 to 8.12.2018, Organized by Department of Electronics and Communication Engineering, Prince Shri Venkateshwara Padmavathy Engg College, Ponmar.

Workshop(Give Details only if applicable, otherwise exclude this title)

1. Three Days Online Workshop on "Emerging Trends in Intelligent Technologies and Computing Systems for Healthcare Services and Mangement" at Mepco Schlenk Engineering College
2. One Day Workshop on "NPTEL-Online course" by IIT Madras,25.1.2018.
3. One Day Workshop on "Persuasive Research Promotion Strategies" Organized by Kings Engineering College on 25.11.2017

Other Details

Books and Chapters (Give Details only if applicable, otherwise exclude this title)

1. Published a Book "Telecommunication Switching and Networks" for 8 th Semester EEE and EIE as per AnnaUniversity Syllabus, Chennai.
2. Projects Fund Received (Give Details only if applicable, otherwise exclude this title)
Rs.18,375.00 fund is received from NPTEL for Text Translation.