# NAME : Dr. G.KARTHIKEYAN M.E.,Ph.D ADDRESS: S/O R.GANESAN,

**EMAIL ID : gkarthi.keyan94@ gmail.com 86/33, MIDDLE STREET,**

# CONTACT NO: +91 8610797749 KALUGUMALAI-628552, TUTICORIN (DIST).

**CAREER OBJECTIVE**:

To be an integral part of an organization that values enthusiasm, professionalism and commitment to performance and offers opportunities for growth and learning.

# EDUCATIONAL QUALIFICATION:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Qualification** | **Year** | **College/School** | **Board/University** | **Result** |
| Ph.D-  Information and Communication Engineering | 2016-2021  Topic: Energy  Enhancement in Solar PV System | Kamaraj College of Engineering and Technology | Anna university Chennai | Completed August 2021 |
| ME/Applied  Electronics | 2012-2014 | P.S.R.Engineering college | Anna university  Chennai | 7.96(CGPA) |
| B.E / EEE | 2008-2012 | Dr. Sivanthi Aditanar  College of Engineering | Anna university  Chennai | 7.17  (CGPA) |
| HSC | 2008 | R.C.Susai.Hr.Sec.School | State | 79.08% |
| SSLC | 2006 | R.C.Susai.Hr.Sec.School | State | 70% |

**PROFESSIONAL EXPERIENCE: (6.6 Years)**

* Assistant Professor at Sri Raaja Raajan College of Engineering and Technology from June 2014 – June 2019.
* Assistant Professor at Unnamalai Institute of Technology from July 2019 – Feb 2022.
* Associate Professor at PSR Engineering College from March 2022-Present

# ROLES AND RESPONSIBILITIES HANDLED:

* Four years Deputy Warden at Sri Raaja Raajan College of Engineering and Technology Boys Hostel -1 from September 2014 – June 2019.
* One Year Central and State Government Entrepreneurship Development Scheme (**PMYUVA** and **IEDP**) Facilitator and College E-Cell coordinator August 2017-June 2019.
* Six months HoD I/C at Sri Raaja Raajan College of Engineering and Technology January 2016 – May 2016.
* Four years Admission coordinator from September 2014 – June 2019.
* 1 year Department Exam cell coordinator from June-2014-December 2014 & June 2017-December.
* **Social Responsibilities:** Coordinator and member of Learning and Teaching Association (Free career guidelines program, Entrepreneurship Program etc., School and College students)

# AREA OF INTEREST:

* + Renewable Energy, Solar System, Transmission and Distribution,
  + Drives and control.
  + Antenna(Micro Strip Patch), Image processing,

# INPLANT TRAINING:

* + Thermal power plant at Tuticorin.(10.10.11 to 14.10.11)

# Two days Workshop on Entrepreneurship Development Training Program

* + Two days **Workshop on** RF Circuit and Advance Design System using ADS 2013
  + One week **Workshop on** “Wireless Networks-A Step Towards Green Communication”

# ACHIEVEMENTS:

* + Received appreciation for 100% pass percentage
  + Best Academic performance Award.
  + Got Second Prize in ”UG project” **(BEST PROJECT AWARD)**
  + Participate in **ISRO SPACE MODULE EXPO**
  + Guiding District (Sivagangai) level Project Expo **( 3rd prize)**
  + Participate in National Level in Article competition
  + Participate in college annual day comparing.
  + Co-ordinates the “National Conference on Emerging Communication Trends”

# CONFERENCE:

* Presented the paper titled “*Experimental investigations on waste edible oil cooling of various types of solar pv panels”* in the International Conference on Sustainable Development in Energy and Environment by Kamaraj college of Engineering and Technology on 10th July 2019.
* Presented the paper titled “*Design Of Control Panel Using PLC Drives”* in the International Conference on Electrical,Electronics & Computer Engineering by Vivekanandha College of Engineering for Women on March 8th& 9th 2017.
* Presented the paper titled “*Transformation of Product Informations Into Speech Signal Using RFID for Bund Persons ”* in the International Conference on Advances in Computing, Control, Communication, Automation, and Structural Engineering” by AL-AMEEN Engineering College on April 8th 2017.
* Presented the paper titled “*Electromagnetic Coupling Microstrip Patch Antenna For Improving Wide Bandwidth And Broad Beamwidth And Analysis Efficiency”* in the International Conference on Emerging Trends In Science,Engineering,Business and Disaster Management by Noorul Islam University on February 28th 2014.
* Presented the paper titled “*Electromagnetic Coupling Microstrip Patch Antenna For Improving Wide Bandwidth And Broad Beamwidth*” *in the International Conference* on Global Innovations in Computing Technology conducted by Jay Shriram Group of Institutions on March 6th & 7th 2014.

**PUBLICATION:**

1. **INTERNATIONAL JOURNAL: (ANNEXURE -1)**
   1. David Prince Winston , **Karthikeyan Ganesan** , Praveen Kumar B , Devakirubakaran Samithas & Chitti Babu Baladhanautham 2020, “Experimental investigation on output power enhancement of partial shaded solar photovoltaic System”, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects-**Taylor & Francis**, Impact factor:2.66
   2. David Prince Winston , **Karthikeyan Ganesan** , Praveen Kumar B , Devakirubakaran Samithas & Chitti Babu Baladhanautham 2020, “Parallel Power Extraction Technique for Maximizing the Output of Solar PV Array”, **Solar Energy; Elsevier** [Volume 213](https://www.sciencedirect.com/science/journal/0038092X/213/supp/C), 1 January 2021, Pages 102-117**,** Impact factor:5.742
   3. **G.Karthikeyan**, D. Prince Winston, A.Bhuvanesh, K.Gangatharan,” Evaluation of faults in a DC Grid connected solar systems of ships” 2020”,**Marine Technology Society** (MTS) Journal ,Impact factor:0.619

# Prince Winston David1, (Member IEEE), Karthikeyan Ganesan, et al., A New Alternate Method to Reuse Rehashed Edible Oil for the Betterment of Society - Dual Benefit Approach in Photovoltaic Modules," in IEEE Access, vol. 9, pp. 128434-128441, 2021, doi: 10.1109/ACCESS.2021.3112582.

# Karthikeyan Ganesan, David Prince Winston, Sathyamurthy Ravishankar & Suresh Muthusamy “Investigational study on improving the yield from hybrid PV/T modified conventional solar still with enhanced evaporation and condensation technique - An experimental approach, (2022) Energy Sources, Part A: Recovery, Utilization, and Environmental Effects- Taylor & Francis 44:2, 5267-5286, DOI: [10.1080/15567036.2022.2083273](https://doi.org/10.1080/15567036.2022.2083273).

# Dr. P. Karuppasamy, Dr. G. Karthikeyan, Mr. R. Sankarganesh,” Compound Keyword Level Search to conserve Privacy in access of Encrypted Cloud, (2022), International Journal of Advanced Research in Science, Communication and Technology (IJARSCT) Volume 2, Issue 4, 623-626, May 2022, ISSN (Online) 2581-9429, DOI: 10.48175/IJARSCT-3985.

**INTERNATIONAL JOURNAL: (Non-Annexure)**

**1 G.Karthikeyan** and S.Soniya, “Electromagnetic Coupling Microstrip Patch Antenna For Improving Wide Bandwidth And Broad Beamwidth And Analysis Efficiency” International Journal of Emerging Technologies “Image Processing And Networking”,Vol.8,Special Issue III,Feb 2014,ISSN No:0973-2993 .

1. **G.Karthikeyan** and S.Soniya, “Electromagnetic Coupling Microstrip Patch Antenna For Improving Wide Bandwidth And Broad Beamwidth” International Journal of Innovative Research Computer and Communication Engineering,Vol.2,Special Issue I,March 2014,ISSN No:2320-9801.

# PATENT:(NATIONAL)

**Details about Patents:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No** | **Name of the Applicant(s) / Assignee Name** | **Name of the Inventor(s)** | **Title** | **Application No. &**  **Patent filed date.** |
| 1. | 1. **G.KARTHIKEYAN** 2. DR.D.PRINCE WINSTON 3. B.PRAVEEN KUMAR 4. DR.S.KALYANI 5. S.CYNTHIA CHRISTABEL   **Status : First Examination Report Completed** | | COUPLE MATCHING AND CURRENT INJECTION BASED PV CIRCUIT FOR PARTIALLY SHADED PV  SYSTEMS | 201841019073 A  & 22/05/2018 |
| 2. | 1. P.KARPAGAVINAYAGAM 2. DR. C. VEDHI 3. DR. JESSICA FERNANDO 4. DR. G. AMALA JOTHI GRACE 5. **MR. G. KARTHIKEYAN**   **Status : First Examination Report Completed** | | SYNTHESIS OF VALUE ADDED MATERIALS BY BIOGENIC ROUTE FROM INDUSTRIAL POLLUTANTS | 201941032622 A  &  13/08/2019 |

# Books:

* + Published a book titled **“START YOUR START-UP”** in proceedings of START-UP FEST, Entrepreneurship Development and Innovation Cell, August 2018
  + Published a book titled **“SOFT SKILLS TRAINING”** in proceedings of START-UP FEST, Entrepreneurship Development and Innovation Cell, August 2018
  + Published a book titled **“Essential Skills in Engineering”** in proceedings of START-UP FEST, Entrepreneurship Development and Innovation Cell, August 2018.

# PROJECT:

**TITLE : DISCRETE DIGITAL SIGNAL PROCESSOR (UG)**

**DESCRIPTION:** Digital Signal Processor Kit Functioning done by IC Programming, Thus Programming is converted into Hardware Circuit.

# TITLE : ELECTROMAGNETIC COUPLING MICROSTRIP PATCH ANTENNA FOR IMPROVING WIDE BANDWIDTH AND BROAD BEAMWIDTH (PG)

**DESCRIPTION:** Microstrip patch antenna design using Advance Design System **(ADS)** to achieve wide bandwidth and broad beam width.

# KEY STRENGTH:

* + - Easily adaptable to new environment.
    - Perfect knowledge about the common job duties of a lecturer and ability to perform them efficiently.
    - Highly innovative in depicting the subject matter to the students/audience, using traditional methods as well as modern aids.
    - Disciplined & good etiquette

# PERSONAL DETAILS:

|  |  |
| --- | --- |
| **Name** | : Karthikeyan. G |
| **Father's Name** | : Ganesan. R |
| **Date of Birth** | : 25.10.1990 |
| **Gender** | : Male |
| **Marital Status** | : Married |
| **Nationality** | : Indian |
| **Permanent Address** | : 86 Middle street,  Kalugumalai-628552, Tuticorin (Dist). |
| **Contact No.** | : 8610797749 & 8760738361 |
| **Language Known** | :Tamil, English |
| **Hobbies** | :Writing & Reading poetry, Playing  Cricket ,Listening music |

**DECLARATION:**

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.



# Date : Signature

**Place : KALUGUMALAI (G. KARTHIKEYAN )**