**PROFILE**



**I. PERSONAL**

Name : Dr.P. Karuppasamy

Date of Birth/Age : 21.01.1975

Marital Status : Married

Nationality : Indian

Office Address : Professor in ECE Dept

P.S.R Engineering College (Autonomous) Sevalpatti (po),

Sivakasi – 626 140, Tamilnadu State

Permanent Address **:** 659 Nakkeran Street,

Sankarankovil – 627756. Tamilnadu.

Email : karuppasamy@psr.edu.in

Phone No. : +91- 8754956642

**II. EDUCATIONAL QUALIFICATIONS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of the Degree** | **Specialization** | **Year of****Passing** | **Name of the****College/ University** |
| Ph.D. | Information and Communication Engineering | 2018 | Anna University, Chennai. |
| M.E | Applied Electronics  | 2000 | Mohammed Sathak Engineering College, Kilakarai,  |
| B.E | Instrumentation and Control Engineering | 1996 | Arulmigu kalasalingam College of Engineering, Kishnankovil |

**III. ACADEMIC EXPERIENCE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name of theCollege / Institute | Designation | Joining Date | Reliving Date | Experience |
| Year | Month | Days |
| P.S.R Engg College (Autonomous), Sivakasi | Professor | 10.12.2018 | Till date | 3 | - |  |
| Syed Ammal Engg College,Ramanathapuram  | Associate Professor | 01.07.2012 | 08.12.2018 | 6 | 5 | 7 |
| Syed Ammal Engg College,Ramanathapuram | AssistantProfessor | 22.04.2006 | 30.06.2012 | 6 | 2 | - |
| Syed Ammal Engg College,Ramanathapuram | Sr.Lecturer | 21.06.2004 | 21.04.2006 | 1 | 10 | - |
| RVS college of engineering and technology, Dindugul  | Lecturer | 20.04.2001 | 18.06.2004 | 3 | 2 | - |
| **Total Experience** | **20** | **7** | **7** |

**IV. RESEARCH**

**Google Scholar**

h index : 3

I10 index : 1

No of Citations: 26

**V. Research Guidance:**

**Ph.D**

* Year of supervisor recognition : 2019
* Recognition Number : 3340077.
* No. of scholars completed : Nil
* No. of scholars pursuing : 01

**M.E**

* No. of P.G Students completed : 15
* No. of P.G Students pursuing : 2

**Anna University Supervisor Recognition Number: 3340077**

**List of Research Scholars:** 1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of the Research Scholar** | **Affiliation of the Scholar** | **University in which registered** | **Status of the research** | **Title/Area of Research** |
|  | Mr.N.S.Yoga Ananth | PSR Engineering College, sivakasi | Anna University Chennai | Course work | Antenna |

**VI.PUBLICATIONS**

**Google Scholar** :[**https://scholar.google.com/citations?user=j\_isK7MAAAAJ&hl=en**](https://scholar.google.com/citations?user=j_isK7MAAAAJ&hl=en)

**Web of Science:** [**https://orcid.org/**](https://orcid.org/) **0000-0002-2185-5804**

 **Scopus :**[**https://www.scopus.com/authid/detail.uri?authorId=57115194400**](https://www.scopus.com/authid/detail.uri?authorId=57115194400)

**Publications in Journals**

|  |  |  |  |
| --- | --- | --- | --- |
| **Details** | **Scopus** | **Web of Science** | **Google Scholar** |
| **Total No. of publication** | **2** | **1** | **4** |
| **Citation (Total)** | **13** | **10** | **28** |
| **h- index** | **1** | **1** | **3** |
| **i10-index** |  **1** |  **1** |  **1** |

**INTERNATIONAL JOURNALS:**

1**. Dr. P. Karuppasamy,** Dr. G. Karthikeyan, and Mr. R. Sankarganesh, 2022, ‘Compound Keyword Level Search to conserve Privacy in access of Encrypted Cloud” “**International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 4,** page No. 623 -626, ISSN: 2581-9429 Online DOI: 10.48175/IJARSCT-3985

2**. Dr. P. Karuppasamy,** Mrs.**S. Mahalakshmi and Mr.S. Santhosh**, 2022, ‘**Low Power Intrusion Detection Using Multi-Level Sensor Authentication**” “**International Journal of Advanced Research in Science, Communication and Technology (IJARSCT), Volume 2, Issue 4,** page No. 623 -626, ISSN: 2581-9429, Online DOI: 10.48175/IJARSCT-3984.

3**. Dr. P. Karuppasamy,** Mrs.**S. Mahalakshmi and Mr.S. Santhosh**, 2022, ‘**Approximation oF Water Footprint Meter**” “**International Research Journal of Modernization in Engineering Technology and Science (IRJMETS), Volume 4, Issue 5,** page No. 3471 -3477, e-ISSN: 2582-5208, Impact Factor – 6.752.

4. R. Senthil Ganesh, **P. Karuppasamy**, A. Abudhahir, R. Vinoth, S. Selvaperumal, T, 2016, “3D Modeling of MFL Imaging System to Detect Surface Discontinuities in Ferromagnetic Tubes’, **Materials Evaluation, Volume 78, Issue 3**, vol. 35, no. 1, pp. 1 9, ISSN: 0195-9298, (Print) 1573-4862 Online DOI: doi.org/10.32548/2020.me-04078 (Annexure – I: Version 2016.1), Impact Factor – 0.48.

5. **Karuppasamy, P** “Design and Analysis of Dual Band Dual Mode Button Antenna", **International Journal of Emerging Technologies and Innovative Research** (www.jetir.org), ISSN:2349-5162, Vol.6, Issue 2, page no.297-300, February-2019.

6. **Karuppasamy, P,** Industrial Based Fire Detection and Protection Robot using Arduino", **International Journal of Emerging Technologies and Innovative Research** (www.jetir.org), ISSN:2349-5162, Vol.6, Issue 5, page no.14-18, May-2019.

7. **Karuppasamy, P** "ATM Security based on Iris Recognition using MATLAB and Arduino", **International Journal of Emerging Technologies and Innovative Research** (www.jetir.org), ISSN:2349-5162, Vol.6, Issue 5, page no.51-54, May-2019.

8. **Karuppasamy, P,** Abudhahir, A, Prabhakaran, M, Thirunavukkarasu, S, Rao,BPC &Jayakumar, T 2016, ‘Model-based optimization of MFL testing of ferromagnetic steam generator tubes’, **Journal of Non-destructive Eval**, vol. 35, no. 1, pp. 1-9, ISSN: 0195-9298, (Print) 1573-4862 (Online), DOI 10.1007/s10921-015-0320-x (Annexure – I: Version 2016.1), Impact Factor – 1.44.

9. K.Sabitha Banu**, P.Karuppasamy** , S.Selvaperumal & P.Nedumal Pugazhenthi 2017 ‘Modal based analysis of binary adders with fault tolerance using QCA in marine applications’, **Indian Journal of Marine Sciences** vol.46 (5) pp.1069-1075 (Annexure – I: Version 2016.1), Impact Factor – 0.289.

10. M Prabhakaran1, **P Karuppasamy**, A Abudhahirand B P C Rao2013. “Modeling of MFL System to Inspect Ferro Magnetic Tubes” **International Journal of Computer Applications** PP.027 – 033.

**VII. Patents Filed /Published**

1. Patent titled “Remote Controlled Waste Collecting Machine from Fresh Water Resources” in Patent office, Chennai. (Application Number: 202141004628 A).

2. Patent titled “Automatic Painting System in Congested Area” in Patent office, Chennai. (Application Number: 202141004621 A).

3. Patent titled “Footboard Avoidance System in Public Transport” in Patent office, Chennai. (Application Number: 202141004626 A).

4. Patent titled “Wheelchair Cum Stretcher for Small Healthcare” in Patent office, Chennai. (Application Number: 202141004623 A).

5. Patent titled “Smart Cart with Automated Billing using Aadhar” in Patent office, Chennai. (Application Number: 201941001316).

6. Patent titled “Borewell Rescue Robot” in Patent office, Chennai. (Application Number: 201941001317).

7. Patent titled “Underwater Surveillance Robot” in Patent office, Chennai. (Application Number: 201941001318).

8. Patent titled “Automatic Adjustment of Position of Microphone using Ultrasonic Sensor and RF module” in Patent office, Chennai. (Application Number: 201941001319).

9. Patent titled “Smart Food Environment Monitoring Systems (IOT)”” in Patent office, Chennai. (Application Number: 202241022943).

**IX. Awards/ Recognitions**

|  |  |  |  |
| --- | --- | --- | --- |
| S. No | Title | Organization | Date |
| 1. | Organizing Coordinator for ATAL FDP on Sensor Technology  | P.S.R.Engineering College | 7- 11 June 2021 |
| 2. | National Advisory Board Member at International Conference on Advanced Computing and Communication Technology (ICACCT - 21) | FX..Engineering College | 06/05/21 to 07/05/21 |
| 3. | Mentor for National Institute of Technical Teachers' Training and Research.  | National Institute of Technical Teachers' Training and Research. | 2021 onwards |
| 4. | Expert and Reviewer for AICTE Student Learning Assessment Project(ASLAP). | AICTE | June 21 onwards |
| 5. | Primary Evaluator in Toycathon21 | AICTE and Ministry of Education Innovation Cell | 15.12.21 |
| 6. | Editorial Board Member of American Journal of Science, Engineering and Technology | American Journal of Science, Engineering and Technology | Nov 16.2020 onwards |
| 7. | Evaluator for The India Innovation Challenge Design Contest (IICDC) | 'Powered by AICTE mission, DST & Texas Instruments (TI) Inc | March 21 |
| 8. | Delivered a Guest Lecture on ‘Revolutions in Modern Electronics Industry” | Sethu Institute of Technology | July 8.2021 |
| 9. | Advisory committee member (COMTECH-2021) on International e-Conference on “Fusion of Cutting Edge Technologies-Advancement& Challenges” | IILM ACADEMY ofHIGHER LEARNINGCollege of Engineering & Technology, Greater Noida | 5 - 6 March 2022 |
| 10. | Editorial Board Member of International Journal of Intellectual Advancements and Research in Engineering Computations | International Journal of Intellectual advancements and Research in Engineering computations | 2nd February 2022 onwards |
| 11. | Delivered a Guest Lecture on ‘AICTE sponsored FDP on Technical Trends in IoE, Data Science and Artificial Intelligence | P.S.R.Engineering College | 2nd November to 28 th december2020 |
| 12. | Delivered a Guest Lecture on ‘Enhancing Smart IoE Applications using Advanced Processors’ at P.S.R Engineering College organized by ATAL, | P.S.R.Engineering College | January 4 to January 8 2021 |
| 13. | SPOC for SIH 2018 & 2022 | AICTE and Ministry of Education ,India | January 2022 |
| 14. | Member TPC and Quality Reviewer in the "International Conference on Recent Trends in Communication & Intelligent Systems"  | Arya College of Engineering & I.T., | 20/11/2020 to 21/11/2020 |
| 15. | Reviewer of IEEE Access and Journal sensors and Actuators | IEEE and Elsevier | 23 /10/ 2021 |
| 16. | Received the Award of Top 20 Revolutionary Education Leaders for the year 2020. | [uLektz](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=&cad=rja&uact=8&ved=2ahUKEwiXr5q-oej1AhVPILcAHQd3BpEQFnoECAcQAQ&url=https%3A%2F%2Fwww.ulektz.com%2F&usg=AOvVaw1xHNGkFIJjbs24Zh3r9a8y) | 2021 |

**X. Participation as Resource Person for delivery of special lectures**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Title of Programme** | **Organizing Institute** | **Level (International/National)** |
| 1 | AICTE sponsored FDP on Technical Trends in IoE, Data Science and Artificial Intelligence | P.S.R. Engineering College,Sivakasi | National |
| 2. | Enhancing Smart IoE Applications using Advanced Processors | P.S.R. Engineering College,Sivakasi | National |
| 3. | Revolution in Modern Electronic Industry | Sethu Institute of Technology | National |

**IX. FDP Participated/ Organized**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Title of Programme** | **Organising Institute** | **Duration** | **Level (International/National)** | **Participated/ Organized** |
|  | Quantum Computing Fundamentals | Inderprastha Engineering College, Ghaziabad- U.P | 07.02.2022 To 12.02.2022 | National | **Participated** |
|  | Free and Open source ICT Tools for Effective Teaching Learning ad Reserarch | NITTR, Chandigarh. | 03.01.2022 To 08.01.2022 | National | **Participated** |
|  | Inculcating Universal Human Values inTechnical Education | All India Council for Technical Education(AICTE) | 31.01.2022 To 04.02.2022 | National | **Participated** |
|  | Sensor Technology | P.S.R. Engineering College,Sivakasi | 07.06.21To11.06.21 | National | **Organized** |
|  | Robotics- An Application in Medical Science | Maulana Azad National Institute of Technology | 07.12.20to12.12.20 | National | **Participated** |
|  | Quantum Computing | Muthayammal Engineering College (Autonomous). | 15.12.20to19.12.20 | National | **Participated** |
|  | Data Sciences | NIT Mizoram. | 18.01.21to22.01.21 | National | **Participated** |
|  | Lab on Chip | S.R. M Institute of Science and Technology | 27.01.21to31.01.21 | National | **Participated** |
|  | Waste Technology | IILM College of Engineering & Technology | 08.02.21to12.02.21 | National | **Participated** |
|  | Sensors Technology | North-Eastern Hill University | 20.04.20 to24.04.20 | National | **Participated** |
|  | Data Sciences (FDP) | MSME - TechnologyDevelopment Centre (PPDC) Meerut. | 15 .04.2020to19.04.2020 | National | **Participated** |
|  | Internet of Things(FDP) | NITTTR Chandigarh | 27-04-20 to01-05-20 | National | **Participated** |
|  | 8051 Microcontroller and its Applications (FDP) | NITTTR Chandigarh | 11-05-20 to15-05-20 | National | **Participated** |
|  | Neural Networks and CNN (FDP) | NITTTR Chandigarh | 06-05 -20to09-05-20 | National | **Participated** |
|  | Electrical Vehicle Technology  | IEEE Madras Section | 22-05-20to26-05-20 | National | **Participated** |

**X. Journals Reviewer**

* IEEE Access.
* Journal of Sensors and actuator.
* COMPEL: The International Journal for Computation and Mathematics in Electrical and Electronic Engineering.

 ####### Updated May’2022

 Yours Faithfully

Place: (Dr.P.Karuppasamy)

Date: