

## Dr.(Smt) P.ANITHA



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|---------------------------|---|--|
| 1. Designation            | : | Assistant Professor  |
| 2. Department             | : | Computer Science   |
| 3. Qualification          | : | M.Sc.,M.Phil., Ph.D  |
| 4. Experience             | : | 10 years   |
| 5. E-Mail ID              | : | anithaprofcs@gmail.com   |
| 6. Orcid ID               | : | 0000-0002-8392-8562  |
| 7. Google Scholar ID      | : | Io3rCisAAAAJ   |
| 8. Vidwan ID              | : | 424434   |
| 9. Area of Specialization | : | <ul style="list-style-type: none"><li>• Medical Image Processing</li><li>• Data Mining</li><li>• Soft Computing</li><li>• Oracle</li><li>• Biometrics</li><li>• Networks</li></ul> |

### Work Experience

| Period |            |            | Designation                        | Institution & Place                                       |
|--------|------------|------------|------------------------------------|---|
| S.No   | From       | To         |                                    |   |
| a      | 04/06/2012 | 30/05/2013 | Member in Product Development Team | Encore Theme Technologies, Guindy, Chennai-32             |
| b      | 12/06/2013 | 11/06/2014 | Computer Science Teacher           | Child Jesus Girls Hr. Sec School, Palayamkottai           |
| c      | 12/06/2014 | Till Date  | Assistant Professor                | Sri Sarada College for Women (A), Ariyakulam, Tirunelveli |

### Education

| S No | Programme Subject        | Institution studied/Board/ University                           | Period of Study | Mode DDE/ Regular | % of marks | Class/ Distinction  |
|------|--------------------------|---|-----------------|-------------------|------------|---|
| a    | Ph.D - COMPUTER SCIENCE  | Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli   | AWARDED         |                   |            |   |
| b    | M.Phil, COMPUTER SCIENCE | Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli-  | 2012 - 2014     | Part Time         | 86.8%      | First Class (UNIVERSITY 1 <sup>st</sup> RANK-GOLD MEDAL)        |
| c    | M.Sc., COMPUTER SCIENCE  | Sadak Athullah Appa College, Rahmath Nagar, Tirunelveli-627 011 | 2010 - 2012     | Regular           | 86.1%      | First Class with Distinction- (PROFICIENCY FIRST PRIZE)         |
| d    | B.Sc., COMPUTER SCIENCE  | Sri Sarada College For Women, Ariyakulam, Tirunelveli-627 011   | 2007 - 2010     | Regular           | 86.7%      | First Class with Distinction- (UNIVERSITY 7 <sup>th</sup> RANK) |

## Honors and Awards

Best Paper and Best Presenter Award 2022 -A.P.C Mahalakshmi College, Thoothukudi.

## Patent

“An Efficient System to Monitor the Cultivation of Crop Patterns based Soil Fertility using Deep Learning Techniques” Published on 25.03.2022

## Publications

| Sl. No. | Title for the Research Article   | Name of the Journal   | Volume No     | Page No |       | Year of Publications | ISSN No.  | Publishedby                 |
|---------|--|---|---------------|---------|-------|----------------------|-----------|-----------------------------|
| 1       | A Survey on Digital Image Processing Roles in Medical Territories  | International Journal of Analytical and Experimental modal analysis     | XII           | 1253    | 1259  | 2020                 | 0886-9367 | P.Anitha & Dr.V.Vallinayagi |
| 2       | An Improved Reversible Data Hiding in Encrypted Images By Pre Encryption Room Reservation Policy (PERRP) | International Journal of Future Generation Communication and Networking | 13            | 965     | 971   | 2020                 | 2233-7857 | P.Anitha & Dr.V.Vallinayagi |
| 3       | An Improved data hiding approach on color images using difference expansion algorithm                    | International Journal of Health Sciences                                | Special Issue | 11694   | 11701 | 2022                 | 2550-6978 | P.Anitha & Dr.V.Vallinayagi |
| 4       | A New Data Hiding Approach based on Block Registration Strategy in Encipher images                       | Rabindra Bharati Journal of Philosophy                                  | XXIV          | 26      | 30    | 2023                 | 0973-0087 | P.Anitha & Dr.V.Vallinayagi |
| 5       | Image Watermarking on Color Images Using Deoxyribonucleic Acid (DNA) Codon Sequences                     | Chinese Journal of Computational Mechanics                              | 5             | 90      | 96    | 2023                 | 1007-4708 | P.Anitha & Dr.V.Vallinayagi |

## Seminars, Conferences, Symposium, Workshop, etc.

1. Presented a research paper titled “An Improved Reversible Data Hiding in Encrypted Images by Pre Encryption Room Reservation Policy (PERRP)” in the “International Conference on Soft Computing and Optimized Techniques” held at Kamaraj College on 10.08.19, Tuticorin. ISBN - 13:978-93-89051-59-9
2. Participated in one day National Level Seminar, “ Recent Trends in Computing Technology”

organized by Wavoo Wajeeha Women college of Arts and Science, Tiruchentur on 22.08.19.

3. Participated in Two Days international workshop on “PYTHON” on 27.09.19 and 28.09.19, organized by Anna University Regional Campus, Tirunelveli.
4. Participated in one day National Level Seminar on “Smart City-Internet of Things IOT’2020 ” organized by PG & Research Department of Computer Science, Sadakathullah Appa College (Autonomous), Tirunelveli on 21.02.2020
5. Participated in the Webinar on “Machine Learning Algorithms, Applications and Trends” organized by IQAC(International Quality Assurance Cell) and School of Computational Science in Association With Computer Society of India, Chennai on 10.05.2020.
6. Participated in the Webinar on “Deep Learning Implementation” organized by PG & Research Department of Computer Science, Sadakathullah Appa College (Autonomous), Tirunelveli on 23.05.2020 in collaboration with Gateway Software.
7. Participated and Presented a research paper entitled “A Survey on Digital Image Processing Roles in Medical Territories” in Two Days International E-Conference on Advances in Information Technology, Business Management and E-Commerce” organized by Quaide Milleth College for Men-Shift II in Association with Internal Quality Assurance Cell on 04.07.2020 and 05.07.2020. ISBN : 978-93-5407-331-1
8. Participated in State Level Virtual Seminar on “Introduction to Remote Sensing and its Applications” organized by Department of Computer Applications (UG & PG), Sri Sarada College for Women (Autonomous), Tirunelveli -627 011 on 11.02.2021
9. Participated in International Virtual Workshop on “Research Ethics-Software Tools for doing Research, Publications in Peer Reviewed Journals” organized by Department of Computer Science, Agurchand Manmull Jain College (Shift II), Meenambakkam, Chennai-600 114 on 19.03.2021.
10. Participated in National Level Webinar on “Machine Learning & Artificial Intelligence” conducted by Sadakathullah Appa College, PG & Research Department of Computer Science, Tirunelveli- 627 011 on 07.06.2021
11. Participated in a One Day Workshop on “An Application Development using IBM Cloud” conducted by Chalapathi Institute of Engineering & Technology (Autonomous), Department of Computer Science & Engineering in associated with IBM India Pvt.Ltd on 09.06.2021.
12. Participated in the International Level Webinar on “Trends in System 2.0 “ (Online Live Webinar) Organized by Annai College of Arts and Science in Collaboration with Department of BCA & CS and IQAC from 14.07.2021 to 18.07.2021
13. Participated and Presented a paper entitled “An Enhanced Lossless Data Hiding Technique on RGB Images with Pixel Estimation Scheme” in one day “International Virtual Conference on

Scientific and Technological Convergence- ICSTC-2021” organized by Department of Computer Science, Sri Sarada College for Women (Autonomous), Tirunelveli- 627 011 on 17.08.2021 ISBN: 978-81-951315-4-9

14. Participated in the National Webinar titled “Lightweight Security for IOT Applications using Cellular Automata and AI Approach and Concepts “Organized by Department of Computer Science, Aditanar College of Arts and Science, Tiruchendur held on 08.12.2021
15. Participated in the Two Days National Online Workshop on “Recent Trends in Research Methodology“ organized by the PG & Research Department of History, Queen Mary’s College (Autonomous), Mylapore, Chennai from 29.12.2021 to 30.12.2021
16. Participated and Presented a paper entitled “Machine Learning for Recognizing Human Facial Characteristics on Image Processing” in two days “International Conference on Recent Trends in Computing and Information Technology” Jointly organized by Department of Computer Applications & Research Centre and Department of Computer Science, Sarah Tucker College (Autonomous), Tirunelveli- 627 002 on 11.02.2022 to 12.02.2022 ISBN: 979-8-88525-143-3
17. Participated and Presented a paper entitled “An Improved Data Hiding Approach using Difference Expansion” in two days “International Conference on Advances in Science and Engineering” organized by Departments of Maths, Physics, Chemistry, Zoology & Computer Science, A.P.C Mahalaxmi College for Women, Thoothukudi on 24.03.2022 to 25.03.2022 E-ISBN: 9789391553401
18. Participated and Presented a research paper titled,” An Innovative Key Generation Algorithm for Encryption and Decryption Based on DNA Codon Predefined Table” in International Multidisciplinary Conference on Innovation in Research (IMCIR 2023) organized by the Internal Quality Assurance Cell and Institutions Innovation Council in associated with ICT Academy, A.P.C Mahalaxmi College for Women, Thoothukudi on 01.04.2023, ISBN :978-93-95431-56-1