Photo :

Name : P.Shanthi

Department : Information Technology

Designation : Asst. Professor

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Education
Qualification : M.Sc., M.Phil.,Ph.D

Experience in
Teaching : 16 years
Title of Dissertation :

Ph.D : Choatic based Robust Dual Image Watermarking using Wavelet and other Transformations

Area of Specialization: Digital Image Processing

Achievements in NPTEL Courses

- ➢ Recognition from NPTEL as **NPTEL Discipline Star**(Jan-Apr2024)
- ➢ Achieved **Top 5%** of course Topper in "**Introduction to Internet of Things**" in SWAYAM-NPTEL(Jan-Apr 2024)

Online Certification Courses Completed(NPTEL)

- ➢ 8 Weeks Course on "**Programming data structure and Algorithm using Python**" in SWAYAM-NPTEL(Jan-Apr 2024)

- ➢ 12 Weeks course on "**Cloud Computing**" in SWAYAM NPTEL (Jan-Apr 2024)
- ➢ 12 Weeks course on "**Introduction to Internet of Things**" in SWAYAM NPTEL (Jan-Apr 2024)
- ➢ 4 Weeks course on "**Python for Data Science**" in SWAYAM NPTEL (Jul-Aug 2023)
- ➢ 8 Weeks Course on " **Database Management Systems**" in SWAYAM-NPTEL(Jan-Mar 2022)
- ➢ 8 Weeks Course on "**Big Data Computi**ng" in SWAYAM-NPTEL(Aug-Oct 2021)
- ➢ 12 Weeks course on " **Programming in Java**" in SWAYAM NPTEL (Jul-Oct 2019)

FDP's Attended -NPTEL

- ➢ **"Programming data structure and Algorithm using Python"** -Jan-Apr 2024
- ➢ **"Cloud Computing**" -Jan-Apr 2024
- ➢ **"Introduction to Internet of Things"-** Jan-Apr 2024
- ➢ **"Python for Data Science"-** Jul-Aug 2023
- ➢ **"Database Management Systems"-** Jan-Mar 2022
- ➢ " **Big Data Computing"-** Aug-Oct 2021
- ➢ " **Programming in Java"-** Jul-Oct 2019

Seminars Organized as Coordinator:

Workshops Organized as Coordinator:

1) As a Coordinator of Women wing, Dept of CS & IT (2014-2015):

   a) Organized One day Workshop on **'Making money with Mehandi'** handled by Ms.K.Kavitha, Assistant Professor, Dept of CS & IT, VHNSN College, Virudhunagar on 15-08-2014.

   b) Organized One day Workshop on **'Personal Grooming'** handled by Mrs. P.Sumathi , Relax Beauty Parlour ,Virudhunagar on 10-01-2015.

   c) Organized one day Workshop on **'Paper Quilling'** handled by Mrs. S.Mahalakshmi, Virudhunagar on 24-01-2015.

2) Organized   10 days   '**Workshop on MATLAB'** for PG students of CS and

IT on 12-07-'14.

3) Organized 7 days '**Workshop on Photoshop'** for UG II year IT and
CS students from 13-8-'14 to 1-9-'14.

4) Organized   10 days   '**Workshop on MATLAB'** for PG students of CS and
IT from 3.9.15 to 1.10.15.

5) Organized one day workshop on **'Power Point slide preparation'** for I year
UG Personality Development Cell students on 22-09-15.

6) Organized   10 days   '**Workshop on MATLAB'** for PG students of CS and
IT from 15.9.16 to 1.10.16.

7) Organized 7 days '**Certificate course on Dreamweaver'** for UG II
year IT students from 24-6-'16 to 11-7-'16.

8) Organized 7 days '**Workshop on Photoshop'** for UG II year IT and
CS students from 28-3-'16 to 7-4-'16.

9) Organized   10 days   '**Workshop on MATLAB'** for PG students of CS and
IT from 6.9.16 to 20.9.16.

10) Organized   10 days   '**Workshop on Dreamweaver'** for UG students of CS
and IT from 19.12.16 to 4.1.17.

11) Organized one day workshop on **'Power Point slide preparation'** for I year
UG Personality Development Cell students on 22-12-16.

12) Acted as a resource person   in' **Free   Computer Awareness Course** '
organized by IQAC fro I B.A English students on 3-07-17 to 12-07-17.

13) Organized 7 days workshop on" **Certificate course on CorelDraw**"
on 13-09-17 to 22.09.17.

14) Organized one day workshop on **'Stress Management'** for I year UG
Personality Development Cell students on 23-01-18.

15) Acted as a resource person in' **Free Computer Awareness Course** '

organized by IQAC fro I B.A English students on 10-07-18 to 17-7-18.

16) As a Coordinator of Women wing, Dept of IT (2017-2018):

    a) Organized One day Workshop on **'Silk Thread Stud Making'** handled by Dr.P.Shanthi, Assistant Professor, Dept of IT, VHNSN College, Virudhunagar on 30-07-2018.

    b) Organized One day Workshop on **'Making of Silk Thread Chain'** handled by Dr.P.Shanthi, Assistant Professor, Dept of IT, VHNSN College, Virudhunagar on 3-09-2018.

17) Organized   one day '**Workshop on Angular JS'** for UG students of IT on 29.8.18.

18) Organized   7 days '**Certificate Course On Visual basic Programming'** for UG II year IT students from 2-7-'19 to 6-8-'19.

19) Organized one day workshop on **'Stress Management'** for I year UG Personality Development Cell students on 04-9-18.

20) Organized one day '**Workshop on Angular JS'** for other college students on 10-9-'18.

21) Acted as a resource person in' **Free Computer Awareness Course** ' organized by IQAC fro I B.A English students on 24-06-19 to 29-06-19.

22) Organized   30 days '**Value Added Course On Advanced Java Programing'** for UG III year IT students from 17-7-'19 to 16-9-'19.

23) Organized one day workshop on **'Stress Management'** for I year UG Personality Development Cell students on 30-7-19.

24) As a Coordinator of Women wing, Dept of IT (2021-2022):

    a) Organized One day Workshop on **'Silk Thread Stud Making'** handled by Dr.P.Shanthi, Assistant Professor, Dept of IT, VHNSN

College, Virudhunagar on 25-10-2021.

    b) Organized One day Workshop on **'Doll Making'** handled by I.Ilavarasi, Sewing Teacher, Government School, Pattampudur, on 06-05-2022.

25) Organized 7 days '**Certificate Course On OFFICE AUTOMATION'** for I year Physical Education Department students from 22-08-'22 to 29-08-'22.

26) Organized one day workshop on **'Stress Management'** for I year UG Personality Development Cell students on 07-03-23.

27) Organized two days workshop on **'Silk Thread Bangle Making'** for I year UG Personality Development Cell students on 09-09-23 &21-09-23.

28) Handled sessions in Value Added Course on "**Office Automation**" organized by Dept. of IT for I B.C.A 'B' students from 26-06-'23 to 04-10-'23.

29) Organized 7 days '**Certificate Course On OFFICE AUTOMATION'** for I year English Department students from 22-06-'24 to 29-06-'24.

Participation in Extension Activities:

1) Acted as an Interviewer for the Subject IT in Kendriya Vidyala Virudhunagar on 25-04-'23.

2) Acted as a Judge in Paricha Pe charcha in Kendriya Vidyalaya Virudhunagar on 27 -02-24

3) Acted as an Interviewer for the Subject IT in Kendriya Vidyala Virudhunagar on 25-05-24.

Seminars, Workshops and Conferences Attended:

1) Participated in International Conference '**MIKE-2013'** Organized by Research Center in Computer Science, VHNSN College, Virudhunagar from 18-12-'13 to 20-12-'13.

2) Attended Five days ICTACT program on on **'ASP.NET Programming'** from 2-3-'15 to 6-3-'15 Organized by Dept. of Computer Science, G.V.N.College, Kovilpatti.

3) Attended Five days ICTACT program on on **'Java Fundamentals & Java**

Programming' from 2-11-'15 to 6-11-'15 Organized by Dept. of Computer Science Engineering, Kamaraj Engineering College, Virudhunagar.

4) Attended Four days FDP program on **'Phython Programming'** from 14-11-'16 to 17-11-'16 Organized by Dept. of CS&IT, VHNSNC, Virudhunagar

5) Attended Five days FDP program on **'Android Application Development'** from 12-06-'17 to 16-06-'17 Organized by Dept. of Infornation Technology, VHNSNC, Virudhunagar.

6) Attended Two days ICTACT program on **'Introduction to BigData Analytics'** from 14-02-'18 to 15-02-'18 Organized by IQAC,VHNSNC, Virudhunagar.

7) Attended one day FDP program on **'Outcome Based Education'** from 10-10-'18 Organized by IQAC, VHNSNC, Virudhunagar

8) Attended one week Online certificate course on "**Digital Teaching Techniques"** from 24-01-2022 to 28-01-2022 organized by ICT Academy .

9) Attended one week Online FDP program on "**Recent Research Convergence in Artificial Intelligence and Internet of Things"** from 21-11-2022 to 25-11-2022 organized by ICT Academy .

Paper Presented:

1) Presented a Paper entitled '**Chaos Based Image watermarking Scheme For Fractal-Wavelet'** in Third International Conference On **"INTERNATIONAL CONFERENCE ON MATHEMATICAL MODELING AND APPLIED SOFT COMPUTING"** Organized by Dept. of Mathematics by Coimbatore Institute Of Technology , Coimbatore on 11th and 12th July, 2012.

2) Presented a Paper entitled **'Dual Image watermarking Using DWT and Chaotic Maps'** in Third International Conference On **"Hi-Tech Trends in Emerging Computational Technologies"** Organized by Dept. of Computer Science by Sethu Institute of Technology, Kariapatti on 9th and 10th April, 2015.

3) Presented a Paper entitled **'Dual Image watermarking Based on DWT and SVD'** in Second International Conference On **"Computational Intelligence"**

Organized by Dept. of Computer Science by Sethu Institute of Technology, Kariapatti on 9th and 10th April, 2015.

4) Presented a Paper entitled **'Edge based Dual Image watermarking Using Fibonacci Transform'** in Second International Conference On **"Electrical,Electronics and Computer Engineering"** Organized by Dept. of Computer Science and Electronics Engineering by Vivekanandha College of Engineering for Women, Tiruchengode on 22nd and 23rd March, 2016.

5) Presented a Paper entitled **'Cloud Computing and its Applications in Library and Information Sciences'** in National Conference On **"SALIS"** Organized by Dept. of Library and Information Sciences by V.H.S.N.College, Virudhunagar on 27th January, 2017.

6) Presented a paper **"Choatic Based Image Cryptography Using Wavelet Transform"** in "**International Conference on Computational Science & its Applications (ICCSA-2018)"** held at Sri S.Ramasamy Naidu Memorial College, Sattur on 16-03-2018.

7) Presented a paper **"The Role of Information Technology in Entrepreneurship"** in Third International conference on **"Transformation of Youth- A Lead to Skilled and Developed India"** held on 27&28th Feb 2018 at VHNSN College(Autonomous), Virudhunagar.

8) Presented a paper **"Enhancing Women Empowerment Through Information and Communication Technology**" **"** in Third International conference on **"Transformation of Youth- A Lead to Skilled and Developed India"** held on 27&28th Feb 2018 at VHNSN College(Autonomous), Virudhunagar

9) Presented a paper **"Online Publishing, Plagiarism & Research Integrity**" in "**Society for the Advancement of Library & Information Science(SALIS**)**"** held on 15th Feb 2019 at Central Library of VHNSN College(Autonomous), Virudhunagar.

10) Presented a paper **"Role of IOT in Higher Education**" held on 24-01-23 to 25-01-23 at Department of Commerce(SF) of VHNSN College(Autonomous), Virudhunagar.

11) Presented a Paper entitled "**Role of IOT in Higher Education" in Two days National Level Conference on "Digital Padagogy and Open Source tools for effective Teaching, Learning and Research"** Organized by VHNSN Colege (Atonomous),Virudhunagar,Sponsered by ICSSR,New Delhi on 24ᵗʰ and 25ᵗʰ January 2023.

12) Presented a paper **"Graph Theory Based Image Cryptography"** in "**International Conference on Mathematical Challenges & Novel Applications (ICOMACNA-2024)"** held at ANJAC, RIT & SFRC, Sivakasi on 21-03-2024 and 22-03-2024

13) Presented a paper **"A Survey of Deep Learning Based Image Watermarking"** in "**International Conference on Recent Trends and Innovations in Information Technology (ICRTIIT-2024)"** held at Noble College of Arts and Science for Women, Palavanatham on 25-03-2024.

ISBN Book Publications

1. Paper "Role of IOT in Higher Education " in Two days National Level Conference on "Digital Padagogy and Open Source tools for effective Teaching, Learning and Research" Organized by VHNSN Colege (Atonomous),Virudhunagar,Sponsered by ICSSR,New Delhi on 24 th and 25 th January 2023 is published in **ISBN :978-81-951746-2-1.**

Journal Publications:

1. Paper "**Robust Chaos Based Image watermarking Scheme For Fractal-Wavelet**" is published in **Applied Mathematical Sciences** Vol. 8 No.32,
1593-1604 (2014).

2. Paper "**Dual Image Watermarking using DWT and Choatic Maps**" is published in **International Journal of Applied Engineering Research** Vol.10 No.31 (2015).

3. Paper "**Image Watermarking using Fibonacci Transform** " is published an **Asian Journal of information Technology** Vol.15 No.9,1431-1436(2016)**.**

4. Paper **"Edge Based Dual Image Watermarking Using Fibonacci Transform"** is published an **"International Journal of Future Innovative Science and Technology"** Volume-2, Issue-3, Sep - 2016**.**

5. Paper "**Dual Image Watermarking Based on DWT-SVD** " is published an "**International Journal of Future Innovative Science and Engineering Research** (IJFISER) **"** Volume-2, Issue-4, Dec - 2016**.**

6. Paper **"Choatic Based Image Cryptography Using Wavelet Transform"** is published in **International Journal of Engineering Research in Computer Science and Engineering** Vol.5 Issue.3 (2018).

7. Paper **"Digital Image Watermarking Algorithm Using Eigen Values and Singular Value Decomposition for Gray Level Images''** is published in **International Journal of Engineering Research in Computer Science and Engineering** Vol.5 Issue.3 (2018).

8. Paper **"Hybrid Image Cryptography using Artificial Neural Network and Discrete Wavelet Transform''** is published in **International Research Journal of Science, Engineering and Technology** Vol.10 Issue.1(2020).

9. Paper " **A Novel Color Image Encryption using chaotic maps"** is published in GIS Science Sciences Vol. 10 No.4,56-61 (2023).