Dr.A.Elakkiya. **M.C.A.M.B.A,M.Phil.,Ph.D.,**
315/2,Bodipatti (post),
Udumalpet,
Tiruppur (DT).
Mobile No: 7558134774
Email: elakkiyacbe@gmail.com

Current Working Details

Dr.A.Elakkiya. **M.C.A.M.B.A,M.Phil.,Ph.D.,**
Assistant Professor,
 Department of Computer Science (Artificial Intelligence)
Sri GVG Visalakshi college for women,
Udumalpet.

Career Objective

To accomplish a challenging work environment, which would provide me valuable learning and professional growth, at the same time help me in contributing meaningfully to thegrowth of the organization.

Research Grant Received

Research proposal for the titled **"EEG Signal Using Voice Recognition For Person Identification."** with total amount of 10,000 as been submitted to **Tamil Nadu State Council For Science And Technology (TNSCST), a division of Department of Science and Technology on MARCH 2022.**

Educational Profile

Doctor of Philosophy

Thesis Title: Biometric Authentication System using Brain Signature.

Course   : **Ph.D**
Institution   : Karpagam University, Coimbatore
Period of Study   : 2013 – 2016

Description: Biometric technology systems available today are not suitable for high security authentication system as they can be easily duplicated. The proposed biometric system using brain signatures is verified for its application in authentication system.

Master of Philosophy

Course   : **M.Phil**
Thesis Title   : **Preliminary Analysis of EEG Biographs for Person Identification**
Institution   : Karpagam University, Coimbatore
Period of Study   : 2011- 2012 (**Marks in %:85.00)**

Post Graduation

Course   : **M C A**
Institution   : Vidayasagar College of Arts and Science College,Udumalpet.
                              Affiliated to Bharathiyar University,Coimbatore
Period of Study   : 2008 – 2011 (**Marks in %: 76.00)**

Post Graduation

Course   : **M B A**
Institution   : Bharathiyar University,Coimbatore
Period of Study   : 2008 – 2011 (**Marks in %: 76.00)**

Teaching Experience: 5 (Years)

Organization   : Kongu College of Arts and Science, Karur.
Designation   : **Assistant Professor** (**20th July 2016 to 18th March ,2019)**

Organization   : Sri GVG Visalakshi College for women, Udumalpet.

Designation   : **Assistant Professor** (**19.07.2021 to till date**)

Research Experience: 4 (Years)

Organization   : Karpagam University, Coimbatore

Designation   : **Research Scholar (M.Phil, Ph.D)**

Guide   :Dr.Hema C.R

Research Interest

- Signal Processing, ,
- Artificial Intelligence,

- Data mining and Image processing.

BOOK CHAPTERS

1. Hema C.R, A.Elakkiya "Recurrent Neural Network Based Recognition of EEG Biographs", Emerging Trends in Engineering Research, February 15-16, 2013, ISBN 978-93-82338-32-1| © 2012 Bonfring, pp:239-247.

2. Hema C.R, A.Elakkiya "Biometric Authentication System Using Brain Signature", Recent Development in Engineering Research, February 15-16, 2013, ISBN 978-93-82338-32-1| © 2015 Bonfring, pp:193-200

CONFERENCE& WORKSHOP PUBLICATIONS (International & National)

1. Presented paper on "Recognition of EEG Biographs using Back propagation Neural Network" in International Conference on Innovations in Communication, Information and Computing ICICIC'13 Held at Sasurie College of Engineering, Vijayamangalam, Tirupur, Tamilnadu.

2. Presented paper on "An Analysis of EEG Biographs using Recurrent Neural Network" in National Conference on Recent Trends in Control System and Power Electronics NCCSPE-2012 Held at Vivekananda College of Engineering and Technology for Women, Tiruchengode, Tamilnadu.

3. Presented paper on "Integrated Framework design for Intelligent Human Machine Interaction" in National Conference on Management practices at Cross Roads: Challenges and Opportunities Held at Kongu Engineering College, Perundurai, Erode.

4. Presented paper on "Personal Mobile Sensor Communication" in National Conference on Intelligent Technology NCIT'2012 at Karpagam Institute of Technology, Coimbatore.

5. Participated in National Seminar on Brain Signal Acquisition Analysis and Application towards Neuro Prostheses Held at, Coimbatore.

6. Participated in Engineering Research Workshop Held at Karpagam University, Coimbatore.

7. Participated in National Conference on MEMS, Smart Materials, Structures and Systems Held at Karpagam University, Coimbatore.

8. Participated in National Conference on Advanced Computing Technologies NCACT'2011 Held at VIdyasagar College of Arts and Science, Udumalpet.

JOURNAL PUBLICATIONS (INTERNATIONAL & NATIONAL)

1. HemaC.R ,Elakkiya. A, Paulraj MP "Biometric Identification using Electroencephalography" International Journal of Computer Applications (0975 – 8887) Volume 106 – No. 15, November 2014.

2. HemaC.R ,Elakkiya. A, "Biometric Authentication Using Brain Signatures" karpagam journal of computer science" vol.9 issue3 Mar-Apr.2015.

3. A.Elakkiya, S. Ramkumar, and M. Suganya "A Survey On Different Clustering Algorithms And Its Techniques" International Journal of Innovation and Scientific Research ISSN 2351-8014 Vol. 10 No. 2 Oct. 2014, pp. 443-445.

4. Elakkiya.A , Ramkumar.S , Emayavaramban.G " Performance Evaluation of Mobile Sensor Network" Journal of Applied Engineering (JOAE), 2 (8), August-2014 (Volume-II, Issue-VIII)

5. Ramkumar.S, Elakkiya.A, Emayavaramban.G "Data Transfer Model - Tracking And Identification Of Data Files Using Clustering Algorithms" JLTEMAS, ISSN 2278 – 2540, Volume III, Issue VIII, August 2014.

6. Ramkumar.S, Emayavaramban.G, Elakkiya.A, A Web Usage Mining Framework for Mining Evolving User Profiles in Dynamic Web Sites" International Journal of Advanced Research in Computer Science and Software Engineering (ISSN:2277 128X)Volume 4, Issue 8, August 2014.

7. A. Elakkiya" A   Review On EEG Signal Using Voice Recognition For Personal Identification System" International Research Journal of Modernization in Engineering Technology & Science is an international journal,Volume 4 Issue 6,June 2022.

ACHIEVEMENTS

1. RESEARCH AWARD Won Bronze Medal for the project titled 'Facial EMG Recognition system for Human Robot Interaction in International Engineering Invention & Innovation Exhibition (i - ENVEX 2013) University Malaysia, Perlis on April 16th-19th, 2013

2. Won gold Medal for the project titled EEG Biometric Authentication System Using Brain Signature in Karpagam Innovation And Technology Exposition 2015 (KITE - 2015) Karpagam University , on Feb 16th-17th, 2015.

3. Acting as on External Examiner/Question Paper Setter/ Evaluator for various autonomous colleges.

4. Admission Committee Team in Sri Gvg College for women, udumalpet from July 2021 to till

date.

5. CAMU Coordinator in Sri Gvg College for women, Udumalpet from July 2021 to till date.

6. R&D Coordinator for M.SC department in Sri GVG College for women, udumalpet from July 2021 to till date.

7. Class Co-Coordinator for B.SC and M.SC department in Sri Gvg College for women, udumalpet from July 2021 to till date.

MEMBERSHIP

1. A Member of National Human Rights Organization.

Domain Specific Software Proficiency

- Object Oriented Programming Language.
- Data Structures.
- Neural networks
- Mat lab 2013

PERSONAL PROFILE

Father's Name   : C.Asockan
Mother's Name: : A.Papathi
Date of Birth: : 12.2.1987

Permanent   : W/O A.VijayaKumar, 3/152,Bodipatti (post),
Address: Udumalpet, Tiruppur (Dt).

Gender: : Female

Marital Status: : Married

Nationality: : Indian

Religion   : Hindu

Languages   : Tamil, English
Known:

DECLARATION

I hereby declare that the above information are true to the best of my knowledge and belief.

PLACE: Udumalpet.

DATE: 28.07.2022

SIGNATURE
(A.Elakkiya)