Faculty Profile

Dr. V.Vijaya Chamundeeswari, M.Tech., Ph.D
Professor, CSE and Principal
Date of Joining: 10.08.2021

HIGHLIGHTS:

- Number of Journal Publications: 52
- H-Index: 6
- Project Funding Received: 6
- Patents Published:10

PROFESSIONAL LINKS:

- Scopus ID: 56366363700
- Scopus Link: Vijaya Chamundeeswari, V. - Author details - Scopus Preview
- Google Scholar ID: dN3LBYIAAAAJ
- Anna University Faculty ID: 1-7470747205
- AICTE Faculty ID:286606
- Anna University Supervisor ID: 1740427
- LinkedIn: (21) vijaya chamundeeswari | LinkedIn

PROFESSIONAL BACKGROUND:

- Teaching Experience till date: 23 years 5 months (as on 01/03/2025)
- Industrial Experience: NIL

AREA OF SPECIALIZATION:

- Pattern Recognition

- Data Mining

- Satellite Image Processing

Ph.Ds AWARDED WITH DETAILS:

S:No	Name of Scholar	Title of Thesis	Year of Completion	Full Time/Part Time
1	Udhaya Sankar S M	Security Countermeasures Against Multiple Adversaries	16/02/2018	Part Time

		in Wireless Networks and Internet		
2	Ramyadevi R	A Framework for Semantic Extraction Of Articles And Secured Storage Using A3DES Algorithm	26/12/2019	Part Time
3	Ganesan R	Novel Comprehensive Algorithms for Pervasive Health Care Systems	12/03/2020	Part Time
4	Deepa S	Genetic Based Face Recognition	11/11/2020	Part Time
5	Bhagyalakshmi A	Information Retrieval and Knowledge Management	11/11/2020	Part Time
6	Rajalakshmi S	Mineral Mapping Using Satellite Images	19/01/2021	Part Time

Ph.Ds GUIDING:

- Full Time Scholars: 03
- Part Time Scholars : 01

SPONSORED RESEARCH / FUNDING APPLIED / CONSULTANCY:

Reference Number	Title	Duration	Cost	Funding Agency	Achievements
ATD.COSMO Ref dt: 19/01/11 (Doc No: D0545460)	COSMO Skymed : Polarimetric, Radargrammetric, Interferometric And Differential Interferometric Study	1 year (Jan 2011-March 2012)	Rs 6,00,00 0 (6 Lakh)	Space Applications Centre, Indian Space Research Organisation, Ahmedabad	Project is completed
Lr.No.TNSCST/S PS/AR/2010-11 (ECS-11)	Digitizing And Web Indexing For Tamil, A South Indian Language	9 months (June 2011-March 2012)	Rs. 25,000	Computer Society of India, New Delhi	Project is completed
Sanction Order No. 1-14/2011-04, dated 29/3/11 of CSI Education Directorate	Speech Assistive Device for differently abled Persons	Completio n by April 30, 2011	Rs. 6,000	TNSCST (TamilNadu State Council for Science and Technology)	Developed a small wearable device to capture gesture recognition and conversion to text (worked on alphabets and simple words)

*Received funding under 'FIST 0' (2013-2018) - the Proposal under FIST – Level '0' scheme to establish "Sequential Data Processing lab"- Dept of Computer Science Engineering applied for FIST and received approval for Rs 20 L.

*Received Offer Letter for AICTE – IDEA Lab for 1 Crore funding

PATENTS PUBLISHED/GRANTED:

- An Artificial Intelligence Based Crutch for Handicapped

- A Machine Learning Model for Predicting Air Quality And Control The Same
- ANN Based Device for Reading Mood And Mind
- System And Method for Tree Root Condition Identification To Safeguard Against Rain And Storm Hazards
- A System and Method for Semiautomatic Magazine-Based Tool Changing Mechanism in Earth Moving Vehicles
- Digital Twins Model of Industrial Production Control Management Using Deep Learning Techniques
- Degradation of Wastewater Using Foxtail Palm Fruit
- Deep Learning in Education: From Automated Feedback To Adaptive Tutoring System Using Nvidia Technology
- Machine Learning Techniques for Enhanced Crop Selection And Sustainability
- Development Of Tb3+Dy3+Co-Doped Boro-Phosphate Glass For Cool White Led And Radiation Shielding

ACHIEVEMENTS AND AWARDS:

- Received " The Excellence Achever Awards 2024" for The Principal Award for Educational Excellence
- Received Certificate of Appreciation for Instrumental Role as SPOC for the SWAYAM NPTEL Local Chapter with rating 'AA' based on the performance in NPTEL Online certification courses (Jan apr 2024, July- Dec 2023, Jan- Apr 2023, July- Dec 2022)
- Received '**Google India Women in Engineering Award 2008**' for academic excellence and contribution to scientific computing with a cash award of INR 75000 [Feb 2008]
- Ministry of Human Resource Development (MHRD) fellowship from July 2005 till 2009
- Certificate of Academic Achievement, '**Achim Bopp Endowment Prize**' award for the best hardware project during M.Tech., Electrical Engineering from Indian Institute of Technology Madras, India
- Qualified GATE (Graduate Aptitude Test in Engineering) 2003 with a percentile score of 87.83
- Secured University Second rank at the graduate level

PROFESSIONAL MEMBERSHIPS:

- IEEE Membership Number: 9234121

- CSI Life membership: 01069771
- ISRS Life Member: L-4519