



## **Mrs.N.PRABHA , MCA., MPhil.,(Ph.D)**

ASSISTANT PROFESSOR  
DEPARTMENT OF COMPUTER APPLICATION  
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### **CONTACT DETAILS OFFICE ADDRESS**

Department of Computer Application,  
ThievanaiAmmal College For Women (Autonomous),  
Villupuram,  
Tamilnadu - 605401,  
India,  
Phone No : 04146 259 674

### **RESIDENCE ADDRESS**

211C , Housing Board, NGGO Colony,  
Salamedu,  
Villupuram - 605401  
Mobile: 7708261144

### **QUALIFICATIONS**

Bachelors of Computer Application (Madras University, Villupuram, 2005).  
MCA (Thiruvalluvar University, Villupuram, 2008, **University 6<sup>th</sup> Rank**).  
MPhil (Prist University, 2010).  
(Ph.D) (Thiruvalluvar University, Pursuing).

### **EXPERIENCE**

- Trainer in Apollo Computer Education, Villupuram from 2008 to 2009.
- Assistant Professor-TheivanaiAmmal College for Women (Autonomous) 2009 - till date. (14 Years).

### **RESEARCH**

M.Phil:Improved Proxy Re-Cryption Schemes with the Applications to Secure Distribution Storage

Ph.D: A Credit Card Fraudulent Activity Tracking and Detection Techniques.

## AREA OF SPECIALIZATION

Network Security

## WORKSHOP& SEMINAR PARTICIPATION

- One Day State Level Seminar on “**Cryptography**” in TACW, Villupuram (08.02.2012).
- Two Days National Level Workshop on “**Emotional Intelligence**” in Dr.M.G.R University, Chennai (15.07.2015 & 16.07.2015).
- Five days National level workshop on “**Cloud Infrastructure & Services**” in TACW, Villupuram (14.08.2015 to 18.08.2015).
- Two Days National Level Workshop on “**Introduction to R Programming**” in KCET, Cuddalore (09.12.2016 & 10.12.2016).
- Twodays National level workshop on “**Data Center Virtualization Fundamentals**” in TACW Villupuram(22.11.2016 & 24.11.2016)
- One Day National level workshop on “**Digital Youth Summit**” in BSAR University, Chennai (30.01.2016)
- Five days Faculty Development Programs on “**Data Science and Big Data Analytics**” in MEC, Villupuram (06.02.2018 to 10.02.2018)
- One day National Level Workshop on “**Robotics IOT with Cloud Server**” in St.Ann’s College, Tindivanam (04.08.2018)
- One Day Workshop on “**Networking**” in Sansbound, Chennai (10.01.2019).
- One Day Workshop on “**Data Processing & Automation**” in Don Bosco, Yelagiri (08.11.2019).
- One Day National Workshop on “**Intellectual Property Rights & Innovations**” in TACW, Villupuram (24.01.2020).
- Two Day International Webinar on “**Information Technology Essentials**” in Auxilium,Vellore (29.05.2020 & 30.05.2020)
- Five Days Webinar on “**Blockchain**” by ICTACT-Online (20.05.2020 to 24.05.2020).
- Two days webinar on “**Education, Employment & Entrepreneurship**” by ICTACT- Online (13.05.2020 & 14.05.2020)
- One Day webinar on “**5G Digital transformation**” by ICTACT – Online (18.05.2020)

- One Day Webinar on “**Artificial Intelligence**” by ICTACT – Online (27.05.2020)
- One Day Webinar on “**Machine Learning**” in TACW, Villupuram (27.08.2020)
- Six Days Training Program on “**Sensor Networks, Internet of Things and Internet of Everything**” in St. Martin Engineering College, Secunderbad, (31.5.2021 to 5.7.2021)
- One day National Webinar on “**Research Trends in Academic Writing and publishing in Computer Science**” in TACW, Villupuram (2.7.2021)
- 5 days Workshop on “**Scientific Thesis Writing**” in Infowavez Solutions, Chennai (7.6.2021 to 11.6.2021)
- Two days Webinar on “**Professional Development Programs**” Internal Quality Assurance Cell & faculty Development Cell in TACW, (18.6.2021 and 19.6.2021)
- One Day webinar on “**The Scope of a Paternership between Institute Superior de Administration**” in TACW,(23.6 2021)
- One-day webinar on “**Science and Society**” in TACW, 22.7.2021.
- Eight Days Training Program on “**Cyber Security**” by ICT Academy, (7.11.2022 to 16.11.2022).
- Faculty Development Programme on “**Machine Learning and Its Real-Time Applications**” by Manakula Vinayagar Engineering College, (06.03.2023 to 10.03.2023)
- Participated National Conference on “**Data Science**” by St.Joseph College on 11.03.2023.

## PAPERS PRESENTED

- “**Information Security System Design**”in National Seminar on Data Science and Machine Learning, TACW, Villupuram, **September 18<sup>th</sup> 2019.**
- “**Women Empowerment**” in the IQAC Seminar on Revised Assessment and Accreditation Framework of NAAC, TACW, Villupuram, **October 1<sup>st</sup> 2019.**
- “**Information Security System Design and Analysis**”in National Conference on Current innovations in Computer Technology, BWDA, Mailam, **January 9<sup>th</sup> 2020.**
- “**Activity Tracking and Detection techniques**” in International Conference on Computer Vision, High Performance Computing, Smart Devices and Networks, **in Jawaharlal Nehru Technological University,Kakinada, December 28<sup>th</sup> & 29<sup>th</sup> 2020.**

- **“Imbalance and Misclassification Data Prediction using Deep Learning”** in National Seminar on Mobile Computing in TACW, February 1<sup>st</sup> 2021.
- **“Imbalanced data Classification in Credit Card Fraudulent Activities Detection using Multi-Class Neural Network”** in IEEE Conference at JCT College for Engineering and Technology, Coimbatore on 23 -25 Feb,2022.
- **“Hybrid proactive approach to prediction of credit card fraudulent activities detection”** in the 2022 Third International Conference on Advances in Physical Sciences and Materials (ICAPSM 2022) held at and, KPR Institute of Engineering Technology Coimbatore Tamil Nadu, 11 August, India during 8 - 9, 2022.

## PAPER PUBLICATION

- **“A COMPREHENSIVE REVIEW OF FRAUDULENT ACTIVITY TRACKING AND DETECTION TECHNIQUES”** in Advances and Applications in Mathematical Sciences, Web of Science @ 2021, MiliPublications, India. (Web of Science)
- **“HEART DISEASE CLASSIFICATION”** in Journal of the Maharaja Sayajirao University of Baroda @ Volume 55, ISSN: 0025-0422, (UGC Care Group I Journal).
- **“PKE-MET: PUBLIC-KEY ENCRYPTION WITH MUTI\_CIPHERTEXT EAUALITY TEST IN CLOUD COMPUTING”** in Journal of the Maharaja Sayajirao University of Baroda @ Volume 55, ISSN: 0025-0422, (UGC Care Group I Journal).
- **“DATA MINING APPLICATION TECHNIQUES IN INTERNET OF THING(IOT)”** in International Journal of Science and Humanities ISSN 2394 9236 Volume 4, Number 1 (2018), pp. 54 – 62 c Islamiah College Publications <http://www.islamiahcollege.edu.in>. (UGC Care Group I Journal).
- **“IMBALANCED DATA CLASSIFICATION IN CREDIT CARD FRAUDULENT ACTIVITIES DETECTION USING MULTI-CLASS NEURAL NETWORK”** in journal of advances and applications in mathematical sciences ISSN NO:0974-6803. (Scopus).
- **“HYBRID PROACTIVE APPROACH TO PREDICTION OF CREDIT CARD FRAUDULENT ACTIVITIES DETECTION”** in journal od advances physical science and materials. (Web of Science)
- **“SMART LIVING AUTOMATION USING ARDUINO UNO THROUGH TELEGRAM CHATBOT”** in journal of Stochastic Modeling & Applications Vol. 26 No. 3 (January – June, Special Issue 2022 Part - 8) ISSN: 0972-3641 UGC CARE APPROVED JOURNAL.
- **“DETECTING AND PREDICTING OF KIDNEY DISEASE USING MACHINE LEARNING ALGORITHM”** in journal of Stochastic Modeling & Applications Vol. 26 No. 3 (January – June, Special Issue 2022 Part - 8) ISSN: 0972-3641 UGC CARE

## **APPROVED JOURNAL.**

- **“IOT BASED MECHANIZED POWERFULL VEHICLE MISHAP DETECTION FRAMEWORK AND BETTER-BUILT RESCUE SYSTEM”** in journal of Stochastic Modeling & Applications Vol. 26 No. 3 (January – June, Special Issue 2022 Part - 8) ISSN: 0972-3641 **UGC CARE APPROVED JOURNAL.**
- **“AUTOMATED ADMISSION WITH PSO SEARCH AND FEATURE SELECTION USING DECISION TREE** in journal of Stochastic Modeling & Applications Vol. 26 No. 3 (January – June, Special Issue 2022 Part - 8) ISSN: 0972-3641 **UGC CARE APPROVED JOURNAL.**
- **“CREDIT CARD ONLINE TRANSACTION FRAUD DETECTION USING HIDDEN MARKOV MODEL”** in journal of Stochastic Modeling & Applications Vol. 26 No. 3 (January – June, Special Issue 2022 Part - 8) ISSN: 0972-3641 **UGC CARE APPROVED JOURNAL.**
- **“LOAN PREDICTION USING MACHINE LEARNING”** in journal of Stochastic Modeling & Applications Vol. 26 No. 3 (January – June, Special Issue 2022 Part - 8) ISSN: 0972-3641 **UGC CARE APPROVED JOURNAL.**
- **“RAINFALL ANALYSIS AND PREDICTION USING MACHINE LEARNING”** in journal of Stochastic Modeling & Applications Vol. 26 No. 3 (January – June, Special Issue 2022 Part - 8) ISSN: 0972-3641 **UGC CARE APPROVED JOURNAL.**
- **“WEB BASED CRIME PREDICTION”** in journal of Stochastic Modeling & Applications Vol. 26 No. 3 (January – June, Special Issue 2022 Part - 8) ISSN: 0972-3641 **UGC CARE APPROVED JOURNAL.**
- **“Web Based Covid-19 Severity Tracker and Analyzer Using K-Means Clustering Algorithm”** in journal of ALGEBRAIC STATISTICS Volume 13, No. 2, 2022, p. 1496-1499 <https://publishoa.com> ISSN: 1309-3452. (Scopus).
- **“Conversion of Text to Braille and SAPI Based Audio Generation for Visually Impaired Peoples”** in Journal of ALGEBRAIC STATISTICS Volume 13, No. 2, 2022, p. 1484-1488 <https://publishoa.com> ISSN: 1309-3452. (Scopus).

## **PATENTS**

- **“A Method to Detect and Classify Epileptic seizure”** Publication date: 2021 Patent office ID Patent number 202141049990 A Application number 202141049990 A

## **RESOURCE PERSON**

- Acted as a Resource person on the topic **“Cyber Security”**, K.S.Raja Women College on 05.12.2023

## OTHER RESPONSIBILITIES

- Head in Charge (2015 to 2019).
- Admission Committee (2011 to 2023).
- Alumnae Coordinator(2011,2021 to 2023)
- College Student Council Coordinator(2015 to 2019)
- ISO Coordinator (2013 to 2017).
- Student Open Forum Coordinator(2011 to 2012)
- IQAC Members(2019)
- BOS Member (2009 to 2023).
- Association Club Coordinator(2012)
- NIRF Member in College.(2016 to 2021)
- Workload and Time Table Committee(2011 to 2021)
- Exam Committee Member(2010)
- Academic Affairs (2009)
- AISHE Coordinator (2015 to 2023)
- SPOC Coordinator(2023)

## AWARDS & RECOGNITIONS

- Received **Best Department** Award (CS Department) on 2012,2015,2016,2017.
- Received a Management Award for the **contribution of Autonomous Extension Visit** as Faculty Coordination by TACW on 2015.
- Received Award in **Inspiring Support professional** award by Dheepsparks wonder women awards 2022.
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- Received Award in **Academic Excellence** award by GRT Women Achievement awards 2023.

## ACADEMIC MEMBERSHIPS

- Member of the Exam Committee
- Member of the NAAC Committee (CA Department)
- Internal Member of the Board of Studies (BOS)
- Member of the College Prospectus
- Members of Admission Committee

## SKILL SET

Languages	:	C, C++, Java, SQL, Python,
Web Technologies	:	HTML, J2EE,.NET
GUI Tools	:	VB6.0, Visual Studio
Database	:	Oracle 8i, SQL Server 2000.
Microsoft Technologies	:	VB.Net, ASP. Net.
Operating System	:	MS-DOS, Windows 98/NT/XP.

## MAJOR PROJECT:

- **Title:** Access controlled Secured Network Directory Explorer using J2EE.
- **Platform:** J2EE, JSP, Servlets, Java Beans, JDBC
- **Description:** Secure Information Transfer between server and Clients.

## MINI PROJECT:

- **Title:** Entertainment Project
- **Platform:** Macromedia Flash MX
- **Description:** An Entertainment variety show.

N. Prabha.

(N.PRABHA)