Dr. B. N. Prathibha, M.C.A.,M.Phil.,PhD.,NET.,  
H. No. 1/9, J.J. Nagar, Kayathar

Ph: 9443526285 Email:prathibhasidhu@gmail.com

**Objective**: To continue as an academic teacher with good knowledge and attitude

**Personal Profile**: Proactive and creative researcher,

Experienced in working independently,

Expertise in Teaching with students and Research Scholar

**EDUCATION**

2017–2018 CBSE-NET in Computer Science and Applications

2009– 2012 Ph.D in Computer Applications (Full Time –UGC Sponsored)  
 Manonmanium Sundaranar University (M.S. Univ.), Tirunelveli

Thesis Title: Texture Characterization of Mammogram Images   
 using Multi-resolution Techniques   
 Supervisor: Dr.V.Sadasivam, Former HOD and Prof.,   
 Dept. CSE, M.S. Univ., Tirunelveli

2004-2005 M.Phil in Computer Science,   
 M.S. Univ., Tirunelveli

Dissertation Title: Segmentation in image processing

1998-2001 M.C.A I Class with Distinction,   
 Vishveshwaraiah Technological University, Belagam  
 1995-1997 B.Sc. in computer Science, I Class, Bangalore University

**Research Interests**: Digital Image Processing, Machine Learning and IOT

**Teaching Experience:**

As Tutor in Lecturer in Indo Acean Academy degree college, Bangalore from   
 07th Sep. 2002 to 15th Oct. 2007 of duration 5Y 1M 9D

Research Scholar in M.S. Univ., Tirunelveli , with teaching assignment from  
 07th Feb.2009 to 30th Oct. 2012 of duration 3 Y 8M 24D

Assistant Professor (A.P.) in National Engineering College, Kovilpatti,   
 7th May 2013 to 31st May 2016 of duration 3 Y 24 D

A.P. in K.R. College of Arts and Science, kovilpatti from 4th July 2016- to 30  
 June 2018 of duration 1 Y 11M 24D

A.P. in M.S. Univ. constituent model college, Nagalapuram from 25th June 2018   
 to 13th June 2019 of duration 11M 20Days  
 A.P in G. Venkataswamy Naidu College, Kovilpatti from 14th June 2019 to  
 30th June 2022l of duration 3 Y 17 D

**In Total 18 Years of Experience**

**Administration:**

Nodal Officer in MHRD – SHREYAS 2019

Member for women awareness program for National Commission for Women

Assisted in Examwing, Class incharge, Syllabus setting, Question paper setting,   
 invigilating examinations and External Examiner for practical etc.,  
 Discussion with students and parents at open day meeting

Responsibility for leading a team of students in planning and participating  
 intercollegiate events

**Skills :**

**IT:** Deployed Automated Payscale software in Hostels, National Engineering   
 College, Kovilpatti

Hospital Management, Gopal Children Hospital, Kayathar

G. Venkataswamy Naidu college website since 2019 to till

**Communications**: Worked closely with research colleagues and college staffs

**Research Guidance:**  Two Scholars is pursuing research (part-time) in M. S. Univ,   
 Tirunelveli (One scholar submitted Thesis)

**Published Papers**

**International Journals**

2010 A kernel discriminate analysis in mammogram classification using with   
 texture features in wavelet domain. , International Journal of   
 computational intelligence

2010 Multi-Resolution Texture Analysis of Mammograms using Nearest   
 Neighbor classification Techniques, International Journal of Information   
 Acquisition, I.F.  
 2011 Mammogram Analysis Using SVM classifier in Combined Transforms   
 Domain, ICTACT Journal on Image and Video Processing  
 2012 Hybrid Transforms Domain based Mammogram Analysis Using C- SVM  
 classifier, International Journal of Medical Engineering and Informatics

2013 An Analysis on Mammograms using KDA in Multi Transform Domain.

International Journal of Computer Applications

2014 Characterization of Breast Tissues in Combined Transforms Domain

Using SVM Classifier, ICTACT Journal on Image and Video Processing

2015 Combined Transform domain Based Characterization of Breast Tissues   
 using Nearest Neighbor classification Techniques, International Journal of   
 Emerging Technology and Advanced Engineering

2016 Mammogram Characterization using Cohesive Gray Level feature domain   
 in Probabilistic Neural Network, Int. Journal of Advanced Research in   
 Computer and Communication Engineering, Nov. 2016   
 2020 Analysis on Privacy Preservation in Vertically Partitioned Data in Cloud   
 Using Homomorphic Encryption and Rule Mining Algorithms.,   
 International Journal of Advanced Science and Technology, ISSN: 2005-  
 4238, Vol. 29, No.4, (2020), PP. 6005-601  
 2020 A Study on Data Analysis Techniques Used in Outsourced Cloud Data   
 Security Dogo Rangsang Research Journal, ISSN: 2347-7180, Vol-10 Issue-  
 09, No.02 September 2020, PP 26-33,

2021 Codon modulo Cryptosystem for Privacy Preservation of Vertically   
 Partitioned Outsourced Data, Scopus Journal of Mathematical and   
 Computational Science, ISSN: 1927-5307, J.Math. Comput.Sci. 11 (2021),  
 No.3, 2604-2623, I.F-0.22

2021 Non-Participating Set Based Eclat Algorithm for Rule Generation on   
 Vertically partitioned Cloud Data, Scopus Journal of Design Engineering,   
 ISSN:0011- 9342, 06, (2021), I.F-1.41

2021 Secure Association Rule Mining on Vertically Partitioned Data Using Fully   
 Homomorphic Encryption, ICTACT Journal on Soft Computing, Vol 11,   
 Issue, 04, July 2021 UGC Care list 2229-6956 I.F. 0.787

**Details of the Book Chapter published**

Futuristic Communication and Network Technologies Comparative Analysis on Frequent Itemset Mining Algorithms in Vertically Partitioned Cloud Data, Vol 792, 12 October 2021, ISBN: 9789811646249

**Detail of Book Published**

**Book Title: C3 Computers, C and C++ Programming, Shanlax Publications,**

**ISBN: : 978-93-91373-70-2**

**Month & Year: August, 2021**

**Filed Patents**

1.  Artificial intelligence based blood pressure controlling system for avoiding of cardiovascular disease probability using machine learning techniques for healthcare management.

2. Identification of the objects in railway track using thermal technology and alerts the loco pilot

**Funds received**

1TNSCST (Tamil Nadu State Council for Science and Technology) funds.   
 Seminar on Popularization of Scientific Activities   
2. Raspberry Pi-based IOT system for hydroponics as student project.

**National Journal**

2010 Breast Tissue Characterization using Variants of Nearest Neighbor Classifiers in Multi-Texture Domain, Journal of The Institution of Engineers, Kolkata

**International Conferences**

2010 Mammogram Analysis using SVM classifier in Combined Transform Domain, Second International Conference on Advanced Computing and Communication Technologies for high Performance Applications, FISAT, Ernakulam  
2011 An analysis on breast tissue characterization in combined transforms domain using nearest neighbor Classifiers, IEEE Conference on Computer,   
Communication and Electrical Technology, National College of Engineering,Tvl   
2018 A Survey on Data Analysis Techniques used in Outsourced Cloud Data Security, Int. Nat. Conference on Emerging Trends and challenges in Computer Science, NPR Arts & Science College, Dindigul

**Expert Lectures Delivered :**

2020 FDP on Outcome Based Education, 27th January G. Venkataswamy Naidu College

2021 Webinar on “Intellectual Property Rights (IPR), Kamaraj College, Tuticorin on 28th October 2021  
 2021 Seminar on ““Intellectual Property Rights and Patents”, Manonmaniam sundaranar University, Tirunelveli on 20th Nov. 2021, And so many

**Workshop Conducted** 2021 IPR, Kamaraj college And so many

**Seminars Conducted** 2019 “Rocketry Satellites Space for Human Benefits”, Sponsored by TNSCST, in   
G. Venkataswamy Naidu College

And so many  
 **Seminars Attended**

2009 Research Initiative Program in Practical Implementation of DIP methods using MATLAB, National Engineering College, Kovilpatti  
2012 UGC-SAP Sponsored “Data Mining”, Manonmanium Sundaranar University, Tirunelveli

2013 Hands on Training On Network Simulator (NS-2), Kongu Engineering College, Erode

2014 17nth ISTE Convention on Empowering Indian Engineering Education   
 for global Explorations, National Engineering College, Kovilpatti

2014 SCADA and its Recent Trends, National Engineering College, Kovilpatti

2018 Quality Research and Publications, Centre of Research, M.S. University,   
 Tirunelveli, on 7th Dec. And so many

**Participated Workshops**

2022 Two week workshop on Analytical Tools for Image Processing, MHRD-RUSA, University of Madras

2022 Angular Designing and Development Program, Francix Xavier Engineering College, Tirunelveli . And so many

**Participated Faculty Development Programs**

2022 E & ICT Academy, IIT Kanpur, “App development with Android: And so many

**Membership in Professional bodies:** Lifetime Membership in ISTE

**Journal Reviewer**: Elsevier image Processing

**References**

Dr. Murugeshwari, Assistant Professor, Dept. of Computer Science and Engineering

M.S.University, Tirunelveli

Dr. Dejey, Assistant Professor, Dept. of Computer Science and Engineering

Regional center, Anna University, Tirunelveli