

Name: V. Vinodhini

Designation: Professor

Department: Information Technology

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

Experience: Teaching: 13.10 Years

Area of Specialization(s): Data Mining, Image Mining

Email (Official ID): vinodhini@drngpasc.ac.in



Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D	Computer Science	Karpagam University, Coimbatore	2016
M.Phil	Computer Science	N.G.P Arts and Science College, Coimbatore	2010
M.Sc	Computer Science	Sri Krishna Arts and Science College, Coimbatore	2008
B.Sc	Computer Science	N.G.P Arts and Science College, Coimbatore	2006

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Certification	NPTEL	MHRD-Govt of India	2018
Certification	Type Writing (Higher and Lower)	Government Aided	2006
Certification	BA(HINDI)	Dakshin Bharath Hindi Prachar Sabha	2004

On - Going

Project Title	Agency	Amount	Duration
Dr. Bagyalakshmi , Dr.V.Vinodhini Impress - ICSSR	- Technology and Social Media: Developments and Challenges	4,32,600.0/- (Applied)	-
Dr.V.Vinodhini , Dr.R.RajeshKanna Impress - ICSSR	SOCIAL MEDIA: Cyberbullying Retardation for Women Empowerment	4,32,600.0/- (Applied)	-
Dr.Suguna,V.Vnodhini Impress - ICSSR	Impact of covid 1 on the economy and its impact in poultry farming in Namakkal District	4,32,600.0/- (Applied)	-
Dr.V.Vinodhini Dr.K.Santhi Dr.J.Savitha	Home learning during a pandemic through the eyes of Dr. N.G.P ASC student- Challenges and opportunities	5000/- (Granted) Seed Money	6 Months
Dr.V.Vinodhini Dr.K.Santhi Dr.J.Savitha	Students perception of classroom and online learning during novel Coronavirus Disease 2019 pandemic in the Undergraduate & Postgraduate courses	5000/- (Granted) Seed Money	6 Months
Dr.V.Vinodhini Dr.K.Santhi Dr.J.Savitha	A Study of Stress level and its impact among College students	5000/- (Granted) Seed Money	6 Months

Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph. D.	-	1
M. Phil.	02	-

Research Publications(Indexed)**International:**

- Dr. V. Vinodhini ,” Bank lend endorsement prediction System using logistic regression “,International Journal of Research and Analytical Reviews (IJRAR), April -2021, Volume 8,Issue 2, E-ISSN 2348-1269, P- ISSN 2349- 5138, (Indexed in UGC)

- Dr. V. Vinodhini , “Auto -Time Table Automation Tool using Genetic Algorithm”, International Journal of Engineering and Management Research(IJEMR), Volume: 11 , Issue: 2, April-2021, ISSN:2394-6962 | p - ISSN: 2394 – 6962 (Indexed in UGC)
- Dr. V. Vinodhini ,” Study on Selection Method of Parents and Crossover in Genetic Algorithm”, International Journal of Scientific Research in Computer Science Engineering and Information Technology (IJCSEIT), Volume no-7, Issue no - 2 Pg. No. 282- 285, April-2021, ISSN: 2456- 3307 (Indexed in UGC)
- Dr. V. Vinodhini, “ A Study on Web Based Immunity Prediction Using Artificial Intelligence”, International Journal of Research and Analytical Reviews (IJRAR), Volume no -8, Issue no – 2, May-2021.
- Dr. V. Vinodhini , “ A Study on behavioral analysis of specific ransomware and its comparison with DBSCAN- MP”, International Journal of Scientific Research in Computer Science Engineering and Information Technology (IJCSEIT), Volume no -7, Issue no - 1 , January-2021, ISSN: 2456-3307 (Indexed in UGC)
- Dr. V. Vinodhini , “Application Of Online Goods Booking System Using Php And Mysql “,IJSREM(International journal of Scientific Research in Engineering and Management “ , Vol 4,Issue 7 July-2020, ISSN : 2582-39302020 (Indexed in UGCCare)
- Dr. V. Vinodhini, “Predecting Student Dropouts in school using Machine Learning Techniques”, “International Journal of Scientific Research in Engineering and Management (IJSREM)” , Volume: 04 Issue:6, June -2020, ISSN: 2582- 3930 (Indexed in UGC)
- Dr. V. Vinodhini, “An Investigation on Organizing Photo Chipping In Online Social Networks”, International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 04 Issue: 07 , June-2020, ISSN: 2582-3930 (Indexed in UGC)
- Dr. V. Vinodhini, “Fingerprint Detection System for Online TransactionUsing Image pre – processing technique “,International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 04 Issue: 07 ,June-2020, ISSN: 2582 – 3930 (Indexed in UGC)
- Dr. V. Vinodhini , “A Study on Visual Cryptographic Technique for Securing Medical Images”, International Journal of Scientific Research in Engineering and Management (IJSREM),Volume: 04 Issue: 07 , June-2020, ISSN:2582-3930 (Indexed in UGC)
- Vanitha N, Vinodhini V, “Malicious-URL Detection using Logistic Regression Technique”, International Journal of Engineering and Management Research, Volume- 9, Issue- 6, December-2019 ISSN : 2250-0758 (Indexed inUGC).
- Dr.V.Vinodhini, “Enhanced Parameter Less Kmeans and Density Based Clustering Algorithm for Crime Investigation”, International Journal of Scientific Research in Computer Science Applications and Management Studies, June-2019, ISSN : 2319-1953 (Indexed in UGC).
- Mohanadevi M, Vinodhini V, “A Study on Various Data Mining Techniques for Agriculture Crop Yield

Production”, Journal of Emerging Techniques and Innovative Research, Volume 5, NO. 9, September-2018, ISSN: 2349-5162 (Indexed in UGC).

- Mohanadevi M, Vinodhini V,” Accurate Error Prediction of Sugarcane Yield Using a Regression Model”, International Journal of Computer Sciences and Engineering, Vol.-6, NO. 7, July-2018 , ISSN: 2347-2693 (Indexed in UGC).
- Mohanadevi M, Vinodhini V,” Analysing Agriculture Data Using Data Mining Classification Techniques”, Volume 5, NO. 5, May-2018, ISSN: 2394-2320, (Indexed inUGC).
- Mohanadevi M, Vinodhini V, “ A Comparative Analysis of Healthcare Sector Using Different Data mining Techniques” , International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Volume 2 ,NO. 3, June-2017, ISSN. 2456-3307, (Indexed inUGC).
- N.Vanitha, V.Vinodhini, S.Rekha , A Study on Agriculture UAV for Identifying the Plant Damage afterPlantation, International Journal of Engineering and Management Research, Volume-6, NO. 6, November to December-2016,(H-Indexed).
- S. Rekha, V. Vinodhini, N. Vanitha, A study on cloud based encrypted data using multi-keyword ranked search scheme, International Journal Of Engineering Sciences & Research Technology, ISSN: 2277-9655, 5(12): December-2016, (Indexed in UGC).
- L. Haldurai and V. Vinodhini, “Parallel Indexing on Color and Texture Feature Extraction using R- Tree for Content Based Image Retrieval”, International Journal of Computer Sciences and Engineering, Vol 3, NO. 11, pp. 11-15, November -2015, ISSN. 2347-26932693 (Indexed inUGC)
- V.Vinodhini ,M.Hemalatha, “ Comparative Evaluation of Crime Incidence using Enhanced Density based Spatial (DBSCAN) Clustering” , International Journal of Computer Applications, Volume122 , No.8, July-2015, ISSN 0975 – 8887, (Indexed in UGC).
- V.Vinodhini ,M.Hemalatha, “Approaches To Scrutinize Crime Data Using Improved (IKM) K-Means Clustering Algorithm”, International Journal of Control Theory and Applications, Volume 8., NO:2, pp. 499-504, June-2015, (SCOPUSindexed).
- L. Haldurai and V. Vinodhini, “A Study on Content Based Image Retrieval Systems”, International Journal on Innovative Research in Computer and Communication Engineering, Vol. 3, NO. 30 ,March -2015, ISSN (Online): 2320-9801. ISSN (Print): 2320-9798, (Indexed inUGC)
- V.Vinodhini ,M.Hemalatha,” Improved density-based K-clustering (E-DBK) algorithm for effectual investigation of crime data “, International Journal of Applied Engineering Research, Volume 10, NO: 7, pp. 16655-16664, January-2015, ISSN 0973-4562, (SCOPUSindexed).

- Vinodhini V, “Identifying Fraudulent Behavior and its types using Clustering Techniques-KJCS (Free Journal of Karpagam University). www.kjcs.com, Volume-9, Issue-1, December-2014.
- V.Vinodhini ,M.Hemalatha, “Efficient Mining of Criminal Networks from unstructured textual documents” ,International Journal of Innovative Research in Computer and Communication Engineering, Vol. 2, NO. 11, November -2014, ISSN-2320-9798 (Indexed inUGC).
- V.Vinodhini ,M.Hemalatha, “An Intend Method for Tracking and Detecting Crime using Clustering Techniques” , International Journal of Engineering and Management Research, Volume-4, NO. 5, pp. 27-30, October- 2014, ISSN. 2250-0758 (Indexed in UGC).
- M Hemalatha, V Vinodhini and B Sivaranjani ,” A System for Dissecting the Video for Tracing Multiple Humans in Multifaceted Situation”, International Journal of Computer Applications , Vol 77.,NO:5., pp. 16-20, September- 2013, ISSN:10.5120/13390-1030 (Indexed in UGC).

PatentDetails

Dr. V. Vinodhini, Patent filed, “ Intelligent Drug Abuse Ascertain System “ , The Patent Office , 10th – July-20, Appl No. 202041026079 A.

Consultancy

Nature of Consultancy	Client	Amount	Completion Status
PHP and My-SQL- Ghatz Technology	V. Vinodhini	7,500/-	Completed
PHP and My-SQL- Ghatz Technology	V. Vinodhini	1500/-	Completed

Presentations inConference

- Dr.V.Vinodhini , “ A study on boardinghouse frequenter directorate structure “ , Second International Conference on Research trends in computing technologies (ICRTCT – 2020). Nov-2019, ISBN: 978-93-5288-643-2.
- Dr.V.Vinodhini, “Data Analysis in Criminal for Improving CIS using Data Mining Techniques”, Nov-2019, ISBN 978-93-89105-40-7 by Coimbatore Institute of Information Technology
- Dr.V.Vinodhini , “ A Study On Fingerprint Detection System For online Transaction Using Image Pre-Processing Technique “ , SERB Sponsored National Seminar on Computing Platforms for Biological Big Data analytics, Nov -2019, ISSN :978-93-5288-590-9.
- Dr.V.Vinodhini , “Recent Trends In Computing Technology Icrtct-18”in International Conference, N.G.P Arts and Science College, Coimbatore, 09th -Aug-18,10th -Aug-18.
- Dr.V.Vinodhini , “Multimedia Signal Processing And Networking” in National Conference, Dr N.G.P Institute Of Technology, Coimbatore, 2018

- Dr.V.Vinodhini , “Weather Prediction Using Data Mining Techniques” in International Conference, Rathinam College, Coimbatore ,26th -Oct-17.
- Dr.V.Vinodhini , “Advanced Trends In It” in National Conference, N.G.P Arts and Science College, Coimbatore, 25th -Feb-16.
- Dr.V.Vinodhini , “A Study On Cybercrime” in International conference, Kongu arts and Science College, Coimbatore,13th -Feb-14.
- Dr.V.Vinodhini , “Research Trends In Computer Technology” in International Conference, N.G.P arts and science college, Coimbatore, 30th -Jan-14 to 31st -Jan-14.
- Dr.V.Vinodhini , “Recent Trends In Engineering And Technology” in International Conference, ICRTET 2014 Cochin, Kerala, INDIA, 18th -Jan-14 to 19th -Jan-14.
- Dr.V.Vinodhini , “Enhanced Clustering Based Algorithm For Analysis Of Crime Data” in National Congress, Karpagam University, Coimbatore, 07th - Dec-13 To 08th -Dec-13.
- Dr.V.Vinodhini , “Unstructured Textual Document” in National Conference, G.R.D CAS, Coimbatore,14th -Feb-13.
- Dr.V.Vinodhini , “Issues In Higher Education" in National Conference, Dr .N.G.P Institute of Technology, CBE.
- Dr.V.Vinodhini , “An Overview Of Web Mining” in National Conference, Sri Venkateshwara CAS, Thanjavur,15th -Sep-12.
- Dr.V.Vinodhini , “Emerging & Innovative Trends In Computer Science” in National Conference, SNS Rajalakshmi College, Coimbatore, 2012
- Dr.V.Vinodhini , “Achieving Academic Excellence Through IQAC” in State Level Conference , N.G.P arts and Science College, 09th Dec-11 to 10th -Dec-11.
- Dr.V.Vinodhini , “Network Border Patrol” in National Conference, RVS college of arts and science, Coimbatore,04th -Mar-09.

Participation inConference

- Emerging Technologies in Computer Science, Pioneer College of Arts and Science, Coimbatore,04-Jan-19.
- A Review on Deep Learning Techniques in Health Care , National virtual conference on applications Of deep learning in artificial intelligence for healthcare

Participation inSeminars

- Cyber security awareness and defense techniques, National Seminar, N.G.P Arts and Science College, 25th -Aug-14.
- Research in computers, International Seminar, Bharathiar University, Coimbatore, 11th -Mar-13.

- Research methodology in computer science & engineering, Sri Vasavi College, Erode. National Seminar, 27th -Feb-09 to 28th -Feb-09.

Participation in Workshop

- Machine Learning With Scikit Learn, Keras And Tensor Flow, Sri Ramakrishna Engineering College Coimbatore from 17th-May-21- 19th-May-21
- Intellectual Property Rights - Bharathiar University, Coimbatore, 29th -Aug-19 and 30th -Aug-19
- Machine Learning Workshop, Pantech Solutions PVT, CBE, 14th -July-19.
- Statistical analysis using R , Bharathiar University, Coimbatore, 06th -Sep-18 & 07th -Sep-18.
- Machine learning using python, Pantech Solutions PVT, Coimbatore, 04th -Aug-18.
- Business Intelligence and Analytics, AJK College of Arts and Science, Coimbatore, 26th - Feb-18.
- Software Testing, N.G.P Arts and Science College, Coimbatore, 22nd -Feb-14.
- Art of research, PSG College of Technology, Coimbatore, 24th -Aug-13.
- Research issues in dip, N.G.P CAS, Department of computer technology two day lecture workshop, 25th -Aug-12 and 26th -Aug-12.

Participation in Orientation Programme / Short Term Courses

- Problem solving and python programming, (Computer Society of India (CSI)), N.G.P. Institute of Technology, Coimbatore, 09th -Sep-17.
- Completed Java test organized at Zeal College of Engineering and Research, Pune by Spoken Tutorial Project, IIT Bombay - MHRD, Govt., of India.

Participation in Faculty Development Programme

- Innovation Ambassador Training (Advanced Level) conducted by MoE's Innovation Cell & AICTE, New Delhi from 30th -June-21 to 30th -July-21
- Cyber security Infrastructure Configuration , ICT Academy on 20th -Sep-21 to 24th -Sep-21
- Project Proposal for Research Grants, Devangere University on 08th -Jan-21
- Research Methodology and Pedagogy for Tertiary Education, One Week FDP Programme , Dr. N.G.P. Arts and Science College, Coimbatore, 15th -06-21 to 21st -06-21.
- Quality Initiatives In Higher Education , One Week FDP Programme, Dr. N.G.P. Arts and Science College, Coimbatore, Sri Ramakrishna College of Arts and Science, Coimbatore, Gobi Arts & Science College, Gobichettipalayam, Vellalar College for Women, Erode, 13th -04-20 to 20th -04-20.
- Transitional Leadership , Sri Ramakrishna College of arts and Science on 30th -July-20 to 01st-Aug-20
- Cyber security, Sri Ramakrishna Institute Of Technology on 13th -July-20 to 17th -July-20

- Enterprise Resource Planning at N.G.P. Business School on 31st -July-10.
- Research Perspectives: Transition from Industry 4.0 to 5.0 , Bharathiar University on 15th-June-20 to 20th-June- 20
- Stress Management, Avinashilingam Institute for Home Science and Higher education for women on 23rd – June-20.
- You can become a Good Researcher – Building Research Capacity in Institution, Sri Eshwar College of Engineering on 26th –June- 20
- User Experience Design, Sri Ramakrishna Institute Of Technology on 04th June-20
- What is Success, Sri Eshwar College of Engineering on 24th -June-20
- Effective Conduct of Online Classes, Sri Eshwar College of Engineering on 20th –June-20
- Machine Learning ,RVS College of Engineering and technology on 29th –May- 20
- Data Mining Techniques- current scenario , Sree Ramu College of Arts and Science on 26th - May-20
- Bridging the gap for Real – World Marketing – Industry vs Academia, VET Institute of arts and Science on 02nd –May-20
- Improving Your Research Visibility – Research Impact and Metrics, Velalar College Of Engineering And Technology from 11th-May-20 to 13th -May-20
- To promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs , Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi from 28th –April-20 to 22nd – May-20
- Quality Initiatives in Higher Education, Dr. N.G.P. Arts and Science College, Coimbatore, Sri Ramakrishna College of Arts and Science, Coimbatore, Gobi Arts & Science College, Gobichettipalayam Vellalar College for Women, Erode from 13th -April-20
- Quality Measures in Higher Education, N.G.P. Arts and Science College, Coimbatore, 03rd –Dec-18 to 09th -Dec-18.
- Introduction to R Programming, N.G.P. Arts and Science College, Coimbatore, 30th -Aug-18 and 31st -Aug-18.
- Bio Computational Methods Using Python & Perl, PSGR Krishnammal College for Women, 06th - Mar-18.

Conference / Seminar / WorkshopOrganized

- Organizing Secretary- National Seminar on Computing Platforms for Biological Big Data Analytics 05th -Feb-20 and 06th -Feb-20.
- Organizing Member – ICRTCT Newsletter International Conference on Research Trends in Computing Technologies 28th -Feb-20 and 29th -Feb-20.
- Committee member, International Conference on Research Trends in Computing Technologies(ICRTCT -18), N.G.P. Arts and Science College, Coimbatore, 09th -Aug-18 to 10th -

Aug-18

- Organizing Secretary for alumni association, 2017, Dr. N.G.P Arts and Science College.
- Committee member, National Conference on Advanced Trends in Information Technologies(NCATIT -16), N.G.P. Arts and Science College, Coimbatore, 24th -Feb-16.

Invited Speaker / Session Chair / Member Organizing Committee - Conference / Seminar / Workshop

- Invited Speaker, Kaamadhenu Arts and Science College , Erode, Intellectual Property Rights &its Management on 16th -April -2021
- Invited Speaker, Sri Ramakrishna College of Arts and Science , Coimbatore, MongoDB – Prologue and Nitty – Gritty on 12th -March-21
- Invited Speaker, Conference on Latest Technologies, Terfs' College of Arts and Science, Tirupur, 01st - Jan-19.
- Invited Speaker, Conference on Latest Trends of IoT Technologies, Pioneer College of Artsand Science, 24th -Aug-18.
- Invited as a guest for various event at N.G.P institutions.
- Acted as an organizing secretary for national and international conference and seminar
- Acted as a session chair for international conference
- IPR Centre coordinator
- IIPC cell coordinator
- I-Can club coordinator
- Alumni Newsletter coordinator and a member coordinator

Member inBoS

- Board of Information Technology, N.G.P arts and Science College, Coimbatore, since2018.

Editorial / Review Board Member

- Board of Information Technology, N.G.P Arts and Science College, Coimbatore, since 2018
- Review Board Member, IGI Global publications 2019 –2020

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
IAENG	Life-time	-
IRED	Life -Time	-
Teaching and Education Research Association	Life -Time	-

