Name : Ms.N.Vijayalakshmi

Designation : Assistant Professor & Head

Department : PG and Research Department of Computer Science

Qualification : M.Sc., M.Phil, SET, NET, P.G.D.C.A

Experience : Teaching: 32   Research: 16

Area of Specialization(s): Data Mining, Network Security

Email (Official ID) : vijayalakshmi@sigc.edu

Aadhar Number : 9842 8928 4279

Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
NET	Computer Science	University Grants Commission	2013
SLET	Computer Science	Manonmaniam Sundaranar University	2012
M.Phil	Computer Science	Seethalakshmi Ramaswamy College	2005
M.Sc	Computer Science	Seethalakshmi Ramaswamy College	1993
B.Sc	Computer Science	Seethalakshmi Ramaswamy College	1991

Additional Qualifications

G Diploama in Computer Applications

Research Guidance

Programme	No. of Scholars
	Completed
M.Phil	15

LIST OF ARTICLES PUBLISHED IN JOURNALS IN CHRONOLOGICAL ORDER :

1. Ms. N. Vijayalakshmi and Dr. K. Meena, Indian Journal of Public Health Research & Development, Peer Reviewed, ISSN: 0976-0245, http://www.ijphrd.com/Analysis of Factors Causing Infertility in Women using statistical Analysis and Association Rule MiningVol.6(2), Page No:112-117, April-June 2015 **SCOPUS INDEXED S. No.161 (2 citations)**
   http://www.indianjournals.com/ijor.aspx?target=ijor:ijphrd&volume=6&issue=2&article=025

2. Ms.N. Vijaylakshmi et al.   International Journal of Computer Science and Mobile Computing, www.ijcsmc.com "Using Decision Tree Induction to Predict the Type of Eating Disorder", DRJI: 5.93 ISSN: 2320-088X, Vol 4, Issue 7, Page No: 537-543, July 2015.   I.F: 5.258
   INDEXED BY ICI   https://ijcsmc.com/docs/papers/July2015/V4I7201599a24.pdf

3. Ms. N. Vijayalakshmi et al. IOSR Journal of Biotechnology and Biochemistry (IOSR-JBB), **www.iosrjournals.org** ,"Knowledge Discovery from Breast Cancer Database" ISSN2455-264X, Vol 1, Issue 5, Page No: 1-5, Jul-Aug 2015. 1.512
   http://www.iosrjournals.org/iosr-jbb/papers/Vol1-issue5/A0150105.pdf

4. Ms.N.Vijayalakshmi & M.UmaMaheswari International Journal of Computer Science and Mobile Computing, **www.ijcsmc.com** "Data Mining To Elicit Predominant Factors Causing Infertility In Women" ISSN: 2320-088X, Vol 5, Issue 8, Page No: 5-9, Aug 2016. I.F: 5.258
   https://www.ijcsmc.com/docs/papers/August2016/V5I8201602.pdf (2 citations)

5. Ms.N.Vijayalakshmi,   M.Senthamilselvi   International Journal of Computer Science and Information Technology Research, **www.researchpublish.com** "Efficient Data Collection Cluster Technique to Avoid Data Redundancy" ISSN(Print): 2348-1196, ISSN(Online): 2348-120X, Vol 4, Issue 4, Page No: 22-27, Oct 2016.

   http://www.researchpublish.com/journal/IJCSITR/Issue-4-October-2016-December-2016/0

6. Ms.N.Vijayalakshmi & T.Jenifer   International Journal of Computer Science and MobileComputing, **www.ijcsmc.com**, An Analysis of Risk Factors for Diabetes using Data MiningApproach   ISSN: 2320-088x, Vol 6, Issue 7, Page No: 166-172, July 2017. IF: 6.017
   https://ijcsmc.com/docs/papers/July2017/V6I7201740.pdf (3 citations)

7. Ms.N.Vijayalakshmi & J.Polley Amilya International Journal of Computer Sciences and Engineering, **www.ijcseonline.org** Application of Knowledge Engineering for Prediction ofLung Cancer   ISSN: 2347-2693, Vol 6, Issue 7, Page No: 957-960, July 2018. IF: 3.022 **Indexed by UGC, Google Scholar, ICI**
   https://www.ijcseonline.org/pdf_paper_view.php?paper_id=2541&155-IJCSE-04276.pdf

1. Ms.N.Vijayalakshmi & P.Nithya   International Journal of Computer Sciences and Engineering, **www.ijcseonline.org**   Information Retrieval From Thyroid Database ThroughData Mining ISSN: 2347-2693, Vol 6, Issue 7, Page No: 126-130, July 2018.IF: 3.022 **Indexedby UGC, Google Scholar, ICI**

https://www.ijcseonline.org/pdf_paper_view.php?paper_id=2405&19-IJCSE-04292.pdf

National Journals : 1

International Journals : 7

List of Papers Presented in Conferences in Chronological Order:

(Mention if it ispublished in a Conference Proceeding)

National Conferences: 3

International Conferences:1

➢ Participated and Presented a paper entitled "**Best Practice – Eco Friendly Initiatives**" in the one day **National Level Conference** on "Institutional Values and Best Practices" organized by the IQAC of V.H.N.Senthilkumara Nadar College (Autonomous), Virudhunagar on 24th March 2023.

Events Organized:

1. As IQAC Coordinator, I have organized an FDP for faculty on "Outcome Based Education" for 7 days from 10/06/2024 to 18/06/2024.

2. Organized a one day international conference on "Trends in Artificial Intelligence" on 20/09/2024

3. Organized 7 day FDP on "Indian Knowledge Systems from 08/11/24 to 15/11/24

4. Organized FDP in Idea Generation methods from 12/12/24 to 14/12/24 in association with IIC and ICT Academy. 34 faculty from various colleges participated.

5. Organized a one week FDP on "Salesforce Essentials" through ICT Academy from 20.6.2022 to 24.06.2022 at our college. 54 faculty members participated.

6. Organized and participated in a Two Day International Conference on "Cloud Computing-Trends and Technologies" on 10.3.2023 and 11.03.2023

7. Organised IT Symposium FINESSE 2K23 on 15.9.2022

8. Organized a one day international conference on "Recent trends in Cyber Security" on 15/12/2021

9. Formed centres of excellence in AWS and Microsoft Azure in association with Honeywell and Microsoft Corporation and trained 100 students for AWS Cloud Practitioner Certification and Microsoft Azure 200 Certification during 2022 and 2023 respectively

Online Certifications Completed/ Courses Attended:

1. Attended online course in AI/ML for Geodata analysis from 19.8.24 to 23.8.24 conducted by ISRO, IIRS, Dept. of Space, Govt. of India.

2. Attended 5 day FEP in :Generative AI" on Infosys springboard from 18/11/24 to 22/11/24 and completed 5 courses and 2 certifications

3. Completed FDP cum course in "Big Data Computing" through NPTEL in Nov 2024

4. Enrolled and attended a course on IPR on Swayam-NPTEL Platform from 23.1.23

Participation In Workshop / Conferences / Seminars / Fdps

Networking Events:

1. As SPOC for ICT Academy, attended MongoDB Academic Leaders Connect on 23/7/2024 to receive the Academic Alliance award from MongoDB for the college

2. Participated in ICT Academy Bridge held at Madurai on 30/09/2024 to receive the Learnathon Award and Best SPOC Award.

Conferences Attended:

1. 15.12.2021 - Online International Conference on "Recent Trends in Cyber Security" by Dr.Christo Ananth, Professor, Department of Natural and Exact Sciences, Samarkand, Uzbekistan, Dr.V.Sampathkumar, Senior IT Manager, Grant Thornton, Botswana, Southern Africa, Mr.M.Senthilkumar, Enterprise Information Security Architect (EISA), Chief Security Architect (CSA), Wipro Technologies, USA organized by SIGC

2. Jan 11, 12 & 13 2021 - ReimagineNEXT - 17th Nasscom Product Conclave 2021.

3. 19-21 Nov 2020 - Bengaluru Tech Summit 2020

4. 14th Oct 2020 to 18th October 2020 - International Conference on AI, Robotics and Automation,Global Technology Forum 2020 (GTF2020) organised by ICT Academy.

5. 14th Oct 2020 to 18th October 2020 - International Conference on Signals, Communication andEmbedded Systems, Global Technology Forum 2020 (GTF2020) organised by ICT Academy

6. 14th Oct 2020 to 18th October 2020 - International Conference on Advances in IOT, High Performance and Edge computing,Global Technology Forum 2020 (GTF2020) organised by ICT Academy

7. 14th Oct 2020 to 18th October 2020 - International Conference on Advances in Sensors, Energyand Hybrid Vehicles,Global Technology Forum 2020 (GTF2020) organised by ICT Academy

Workshops:

1. **30th and 31st August 2024 –** Attended two day workshop on Indian Knowledge Systems at National Institute of Technology, Trichy

2. **17th to 21st July 2023 -** Attended a Five Day Workshop on Wearable Devices and AI&ML-Trends and Technologies jointly organized by National Institute of Technology Tiruchirappalli and Datanetiix Solutions held at NIT Tiruchirappalli

3. **30th January 2023 to 3rd February 2023 -** Participated in the National Research Development corporation sponsored online workshop on Intellectual Property Rights, Technology Transfer and Entrepreneurship (with a focus on AI and Data Science) organized by NIT, Trichy

4. **15th October 2020** - Eighth RBCDSAI (Robert Bosch Centre for Data Science and Artificial Intelligence (RBC-DSAI), Indian Institute of Technology Madras) Workshop on Recent Progress inData Science and AI

5. **23rd & 24th July 2020 -** Two Day Workshop on "**Aligning Yourself to the Publishing Process"** onconducted by Elsevier Research Academy

6. **21st and 22nd July 2020** - Two day Workshop on "**INTELLECTUAL PROPERTY RIGHTS [IPR]**- Focused on Engineering Applications, organized by St.Joseph's College of Engineering, OMR, Chennai

7. **1st and 2nd March 2019** - UGC-Sponsored Workshop for Professional Development of AcademicAdministrators on "Institutional Assessment & Accreditation"

FDP

1. 1/5/2024 to 5/5/2024 - Attended 5 day National Level FDP on "Recent technologies in Computer Science for Research Perspectives-2024" held by Bishop Heber College, Trichy
2. 29/4/24 to 3/5/24 - Attended 5 day FDP on "Effect of Generative AI in modern research and industry" organized by Department of Computer Science, Sister Nivedita University, India
3. 19.2.24 to 28.2.24 - Attended FDP on "NEP 2020 Sensitization and Orientation Programme" conducted by MMTTP Centre, BDU
4. 08/01/2024 to 12/01/2024 - Attended 5 day International Virtual Professional Development Programme on " "Developing your Professional Edge : Strategies for Career Growth and Financial Success" organized by Department of Commerce with Information Technology & IQAC of PPG College of Arts and Science, Coimbatore, Tamilnadu
5. 14.6.2022 to 24.6.2022 - Attended in a one week FDP on TABLEAU organized by Dept.of Computer Science, SIGC
6. 26.02.2022 - "Introduction to Cloud Computing" by Mr.P.V.Nagarajan, Director, Cloud Practice, Xencia Technology Solutions Pvt Ltd, Chennai organized by our department.
7. 22 February 2021 to 27 February 2021 - Introduction to Angular JS (Online Live FDP), ICT AcademyFaculty Development Program.
8. 8th to 13th Feb 2021 - TRAINING FOR TEACHER'S ORIENTATION FOR NEWLY ADMITTED STUDENTS
9. PHASE- I by Indra Ganesan Group of Institutions
10. 29 June 2020 to 04 July 2020 - Certificate Course on Digital Teaching Techniques", ICT AcademyJun 2020 - Certificate course in Real Time Operating Systems offered by NPTEL

Seminar / Webinar :

1. 21.04.2022 – Webinar on Digital Trends and Ecosystems by Mr. Jerry Robinson, Head, Andella Columbus, Ohio, United States organized by SIGC
2. 08.03.2022 - Webinar on Concepts Series "BlockChain Technology" by Mr. Suresh Prabhu Janakiraman, Software Engineer, Span Technologies, Chennai organized by our department.
3. 25.02.2022 - Webinar on "Data Visualization for Predictive Analytics" by Ms.V.Geetha (Alumnae Batch:2010-2013), Business Analyst, AIA Insurance, Australia organized by SIGC
4. 08.11.2021 - Webinar on "Welcome to Information Security Digital Era" by Dr. Christo Ananth, Professor, Natural and Exact Sciences, Samarkand State University, Samarkand, Uzbekistan organized by SIGC

5. 14.09.2021 – Webinar on "Data Science and Analytics" by Dr. A. Geetha, Assistant Professor &

Head, Department of Computer Science, Chikkanna Government Arts College, Tirupur, conducted by SIGC.

6. 04.08.2021 - Webinar on "Applications of IOT - Home and Vehicle Monitoring" by Dr. Koppala Guravaiah, Assistant Professor, Department of Computer Science, Indian Institute of Information Technology, Kerala conducted by SIGC

7. 29.07.2021 - Webinar on "Demystifying the Microsoft Azure Cloud" by Mr.Arun Mariappan Karunanithi, Pramathi Technologies, Bangalore organized by SIGC

8. 15 Jan 2021 - ICT Academy Power Seminar, focused on the theme **SURVIVAL OR HAPPINESS**

9. June 27, 2020 - Web seminar: NIRF 2020

10. 15th & 22nd June 2020 -Webinar on "**Introduction to eLearning Content Creation"** organised byCSI Chennai, ACM Chennai and IEEE CS Madras in association with CDAC Mumbai and conductedby Dr. M Sasikumar and Ms. Archana of ETU team, CDAC, Mumbai

11. 18 June 2020-24 June 2020 - Online certification Programme on Cybersecurity Essentials (OnlineLive FDP)

12. 17th June 2020 - Webinar on Evaluation with Fun - Kahoot, conducted by Indra Ganesan College ofNursing, Trichy

13. May 18 2020 - Webinar on " Size Does Matter : Genes, Diet & Obesity" by Dr. Vimal Karani",SAS SNDP Yogam College, Konni, Pathanamthitta, Kerala

14. May 14,18,21,25,28 2020- Web seminar: E-Shodh Sindhu Web of Science Certification SeriesSession-1,

15. Virtual Book Launch on Future of Education - Nine Mega Trends

16. 12 June 2020 - Skycampus Digital Knowledge Webinar Series 2020 - Insightful Fridays on thetheme, Building a Sustainable Future

17. Skycampus Digital Knowledge Series 2020 - Season 7 on the theme ACCELERATING INDUSTRY 4.0 -A POST COVID PARADIGM : Day 5 - Catching the Cyber Virus

18. Skycampus Digital Knowledge Series 2020 - Season 7 on the theme ACCELERATING INDUSTRY 4.0 -A POST COVID PARADIGM : Day 4 - Discover the Diamond in You

19. Skycampus Digital Knowledge Series 2020 - Season 7 on the theme ACCELERATING INDUSTRY 4.0
    a. A POST COVID PARADIGM : Day 3 - Impact of Artificial intelligence and cognitive computing,post covid 2019

20. Skycampus Digital Knowledge Series 2020 - Season 7 on the theme ACCELERATING

INDUSTRY 4.0 -A POST COVID PARADIGM : Day 2 - Accelerating Industry 4.0 - A Learning & Development Perspective

21. Skycampus Digital Knowledge Series 2020 - Season 7 on the theme ACCELERATING INDUSTRY 4.0 -A POST COVID PARADIGM : Day 1 - Conversation on Industry 4.0 - A post Covid Paradigm

22. Skycampus Super Session on the theme Change is the Essence of Life

23. Skycampus Digital Knowledge Series 2020 - Season 6 on the theme Future Tech 2020 : Day 5 Next Generation of Blockchain

24. Skycampus Digital Knowledge Series 2020 - Season 6 on the theme Future Tech 2020 : Day 4 Beyond Covid - Leading Through Change

25. Skycampus Digital Knowledge Series 2020 - Season 6 on the theme Future Tech 2020 : Day 2 Global Mega Trends, Technologies & Covid 19 Impacting Sectors

26. Skycampus Digital Knowledge Series 2020 - Season 6 on the theme Future Tech 2020 : Day 1 - 5Gas an Enabler In Digital Transformation

27. May 18, 2020 – Sky campus : Digital Knowledge Series : Season 5 : Day 5 - Expert Sessions (90 mins)Skycampus : Digital Knowledge Series : Season 5 : Day 4 - Expert Sessions (90 mins)

28. Skycampus : Digital Knowledge Series : Season 5 : Day 3 - Expert Sessions (90 mins),

29. May 17 2020 - Skycampus : Digital Knowledge Series : Season 5 : Day 2 - Expert Sessions (90 mins)Skycampus : Digital Knowledge Series : Season 5 : Day 1 - Expert Sessions (90 mins),

30. Skycampus : Digital Knowledge Series : Super Session on the theme Good Teacher to Great Teacher

31. Skycampus : Digital Knowledge Series : Season 4 : Day 5 - Expert Sessions (90 mins) Skycampus : Digital Knowledge Series : Season 4 : Day 2 - Expert Sessions (90 mins)

32. May 13, 2020 - Webinar on "Safeguarding Savings in Pandemic Times' by CA Pattabhi Ram, Author and Public Speaker, organized by the Post Graduate Department of Commerce – Shift II, inassociation with Prime Academy.

33. Skycampus : Digital Knowledge Series : Season 4 : Day 4 - Expert Sessions (90 mins)Skycampus : Digital Knowledge Series : Season 4 : Day 3 - Expert Sessions (90 mins)Skycampus : Digital Knowledge Series : Season 4 : Day 1 - Expert Sessions (90 mins)Skycampus : Super Session on THE POWER OF A TEACHER

34. Skycampus : Digital Knowledge Series : Season 3 - Day 5 - Expert Sessions (90 mins)Skycampus : Digital Knowledge Series : Season 3 - Day 4 - Expert Sessions

(90 mins)Skycampus : Digital Knowledge Series : Season 3 - Day 3 - Expert Sessions (90 mins)Skycampus : Digital Knowledge Series : Season 3 - Day 2 - Expert Sessions (90 mins)Skycampus : Digital Knowledge Series : Season 3 - Day 1 - Expert Sessions (90 mins)

35. Skycampus : Digital Knowledge Series : Season 1 - Session 9 titled Digital Transformation in Enterprise

36. Skycampus : Digital Knowledge Series : Season 1 - Session 8 titled Design Thinking - Preparing the mind for disruption

37. Skycampus : Digital Knowledge Series : Season 1 - Session 7 titled Cybersecurity Essentials

38. Skycampus : Digital Knowledge Series : Season 1 - Session 6 titled Introduction to AI & ML

Any other services provided / Positions held during your tenure as Teacher:

➢ Acting as Single Point of Contact for NPTEL Local Chapter since 2022

➢ Acting as Single Point of Contact for ICT Academy of Tamilnadu since 2020

➢ Acting as convenor of Institution's Innovation council since 2023

➢ Designed and maintaining the College website since 2009 till 2023

➢ Preparation of reports for AICTE Approval, NAAC Accreditation(SSR), Triennial Inspection of theUniversity since 2009

➢ Acted as Director - Placements from 2021 to 2022

➢ NAAC Coordinator for three successive cycles of Assessment in 2009, 2015 amd 2023

➢ IQAC Member Secretary and Coordinator since 2015 till now

➢ Coordinator of Alumni association activities of the college from 2009 till 2023

➢ Programme Coordinator for M.C.A (A.I.C.T.E Approved) since 1998 till 2019

➢ Programme Coordinator for Socially relevant Outreach Programme 'IT ON WHEELS' from 2001to 2015

➢ Acted as Master of Ceremony for many International, National and local events held in Trichyrelated to College

➢ Participated as advisory member in building IT infrastructure of the college

➢ Contributed to Placement Training and Placements

➢ Acted as Secretary of Departmental Association for a few years.

Any other information :

Book Written:

Data Mining, Dr.K.Meena & N.Vijayalakshmi, P.R.Publications, 2017.

Award Won:

- ➢ Received the **BEST SPOC AWARD from NPTEL** for the years **2023-24 and 2024-25**
- ➢ Received the **BEST SPOC AWARD from ICT Academy of Tamilnadu for 2023-24**
- ➢ Instrumental in winning the First Position in the State for Learnathon 2023 and Skillathon 2023 Award for making students submit more than 200 bots online.
- ➢ **Eminent Teacher Award** presented by Lady Hawk, Coimbatore for services rendered in promoting ICT based Learning with respect to Improving English Communication Skills among students andstaff members of the college during 2020 Corona Pandemic.

Strengths:

- ➢ Good leadership skills
- ➢ Crisis Management
- ➢ Good communication and rapport building with organizations
- ➢ Coordinating events and people
- ➢ IT support and management
- ➢ Teaching, Learning and Assessment using ICT