Name :Dr.K.Thenmozhi
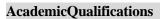
Designation **:**Professor

Department **:**Information Technology

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

Experience **:**Teaching: 14 Years Research:8Years

AreaofSpecialization(s) **:**DataMining

Email(OfficialID) **:**thenmozhi@drngpasc.ac.in

AcademicQualifications

Degree	Branch	Institution/UniversityName	YearofGraduation
Ph.D.	Computer Science	Bharathiar University	2020
M.Phil.	Computer Science	Manonmanium SundharanarUniversity	2007
M. Sc.	Computer Science	Dr.N.G.P.ArtsandScienceCollege	2006
B.Sc.	Computer Science	Dr.N.G.P.ArtsandScienceCollege	2004

AdditionalQualifications

Diploma/ Vocational/ Certification	Area of Specialization	Institution/University/AgencyName	Year
Certification	INFOSYS-Java Programming Fundamentals	INFOSYS -Springboard	2024
Certification	INFOSYS- Computer Networks	INFOSYS -Springboard	2024
Certification	INFOSYS-Java for Beginners	INFOSYS -Springboard	2022
Certification	INFOSYS-Data Structures & Algorithms in Python	INFOSYS -Springboard	2022
Certification	NPTEL- Python for Data Science	MHRD-Govt of India	2019

ResearchGuidance

Programme	No.ofScholars	
	Completed	**Pursuing**
M.Phil.	5	-

Research Publications (Indexed)

International

- **K.Thenmozhi, "MACHINE LEARNING APPROACHES FOR CO2 EMISSION ANALYSIS IN TRANSPORTATION",** International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, ISSN (Online)2321–2004, Impact Factor 8.021, Volume 13, Issue 3, March 2025, DOI: 10.17148

- **K.Thenmozhi, "DEFECT TRACKING: SOFTWARE DEFECT TRACKING AND REPORTING SYSTEM",** International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, ISSN (Online)2321–2004, Impact Factor 8.021, Volume 13, Issue 3, March 2025 DOI: 10.17148

- **K.Thenmozhi, "MUSHROOM CLASSIFICATION A MACHINE LEARNING APPROACH",** International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, ISSN (Online) 2321–2004, Impact Factor 8.021, Volume 13, Issue 3, March 2025, DOI: 10.17148**.**

- K.Thenmozhi, "**Cloud Computing and ITs Applications**", International Journal of Innovative Technology and Creative Engineering, ISBN:2045-8711, Vol: 13, 09-Sep-23

- K.Thenmozhi, "**Image Processing - An Overview**", International Journal of Innovative Technology and Creative Engineering, ISBN:2045-8711, Vol: 13, 09-Sep-23

- K.Thenmozhi, "**Mobile Computing and its Applications**", International Journal of Innovative Technology and Creative Engineering, ISBN:2045-8711, Vol: 13, 09-Sep-23

- K.Thenmozhi, "**Artificial Intelligence and its Applications**", International Journal of Innovative Technology and Creative Engineering, ISBN:2045-8711, Vol: 13, 09-Sep-23

- K.Thenmozhi, "**A Deep Learning Algorithm Application For Automatic Detection Of Unpredictable Accidents",** Journal of Emerging Technologies and Innovative Research, Volume 10 Issue 8, August-2023, 7.95 Impact Factor and UGC Indexed.

- K.Thenmozhi, A.Nirmala, M.Savithri, " **A Deep Learning Approach for Predicting Diabetes using Big Data Analytics",** International Journal of Advanced Research in Computer and Communication Engineering, Volume 12, Issue 5, May 2023, 8.102 Impact Factor and UGC Indexed.

- M.Savithri, K.Thenmozhi, A.Nirmala,**"Automatic Attendance Monitoring in IoT Using Face Recognition"**, Volume 10, May 2023, UGC Indexed.

- K.Thenmozhi, A.Nirmala, M.Savithri, Journal of Information and Computational Science, Volume 10 Issue 7-2020, July2020, pp.217-223, ISSN:1548-7741 (Indexed in UGC).

- K.Thenmozhi, A.Nirmala, M.Savithri, **Image Quality Metrics for Brain Image Segmentation**, Journal of Emerging Technologies and Innovative Research, Volume 7, Issue 1, Jan 20, ISSN-2349-5162, 5.87Impact Factor and UGC Indexed.

- K.Thenmozhi,M.RajeshBabu,**Classification of Skin Disease using Ensemble based Classifier**, Inter national Journal of Biomedical Engineering and Technology, Vol.28 ,Issue 4, Nov18, Print ISSN:1752-6418 Online ISSN:1752-6426, (Indexed in SCOPUS).

- K. Thenmozhi,M. Rajesh Babu, **Survey of Various Methods for Diagnostic Signatures forCutaneousMelanomafromGeneticandImagingData**,InternationalJournalofBusinessIntelligence and Data Mining, Vol.13, Issue 1-3, Dec 17, Print ISSN: 1743-8187, Online ISSN:1743-8195,(IndexedinSCOPUS).

Other Publications: International/National

- K. Thenmozhi, P. Deepika, M. Meiyappasamy, **Different Data Mining Techniques Involved in HeartDisease Prediction: A Survey,** International Journal of Scientific Research, Vol. 03, Issue 09, Sep 14,ISSN-2277-8179,ImpactFactor:1.8651.

- M.Savithri, V.Shobana, K.Thenmozhi**A Review on Types of Attacks in Mobile AD-Hoc Networks,** International Journal of Research Issues in Computing Sciences (IJRICS) Vol.1 No.1. August 2013.

- K.Thenmozhi, D.Sridhar, **Online Based Content Recommended System based on ConsumerBehavior Modeling**, International Journal of Science and Research, Volume 02, Issue 03, Mar 13,ISSN:2319-7064.

- K.Thenmozhi,V.Padmapriya,**AgglomerativeMeanShiftClusterUsingShortestPathandFuzzification Algorithm,**International Journal ofAdvanced Research in Computer Science andsoftwareEngineering,Volume03,Issue12,Dec 13,ISSN:2277-128X.

- K. Thenmozhi, P.Deepika**, Heart Disease Prediction Using Classification with Different DecisionTree Techniques**, International Journal of Engineering Research and General Science, Volume 02,Issue06,Oct-Nov2013,ISSN2091-2730.

Consultancy

Nature of Consultancy	Client	Amount	Completion Status
Good Will (2023-24)	RMC Medical Services PVT Ltd, Gandhipuram, Coimbatore	Nil	Completed
Good Will (2022-23)	RMC Medical Services PVT Ltd, Gandhipuram, Coimbatore	Nil	Completed

Patent

S.No	Name of the Faculty	Title of the Invention	Application N o.	Date of Filing	Publication Date
1.	Dr.K.Thenmozhi	Road Accident Analysis Using Machine Learning	202541013501 A	17/02/2025	28/02/2025
2.	Dr.K.Thenmozhi	Multi Purpose Smart Assistant for Visually Impaired	202421065427 A	29/08/2024	04/10/2024
3.	Dr.K.Thenmozhi	Automatic Water Dispenser Using Sound Sensor	202421016106	07/03/2024	29/03/2024
4.	Dr.K.Thenmozhi	E-requirement and it's Impact on Job Seekers	202311016737	13/03/2023	-
5.	Dr.K.Thenmozhi	Effective Weather PredictionF or Smart Agriculture Using Deep Learning	202241026532 A	07/05/2022	13/05/2022

Book Published

- Dr.K.Thenmozhi has published a Book: JAVA Blueprint From Beginners To Pro published with ISBN Number:9798301258329 in Jan 2025 Scientific Research Publications.

Book Chapter Published

- Dr.K.Thenmozhi has published a chapter in the book: Modern Computer Science & Application published with ISBN Number:9789393622075 in July 2022, Title: "Data Visualization in R Programming".

Short Term Course

- Dr.K.Thenmozhi has successfully completed short term course on NAAC Documentation – A Key Insight by WhiteCode, IQAC CLUSTER, India on 6th,13th,20th & 27th Feb 2024

Letter of Appreciation

- Dr.K.Thenmozhi has been nominated as the NODAL COORDINATOR for AMRITA-VALUE Virtual Labs from 01.01.2025 to 31.12.2025

- Dr.K.Thenmozhi has been nominated as the NODAL COORDINATOR for AMRITA-VALUE Virtual Labs from 01.01.2024 to 31.12.2024

- Dr.K.Thenmozhi has been nominated as the NODAL COORDINATOR for AMRITA-VALUE Virtual Labs from 01.01.2023 to 31.12.2023

- Dr.K.Thenmozhi has been appreciated for OUTSTANDING CONTRIBUTION by using ICT-based Teaching and Learning Methodology, Spoken Tutorial, IIT Bombay

Acted as a Resource Person

- Dr.K.Thenmozhi has been appreciated for being a Resource Person for BOT Induction Program held on 12.11.2024 at KMCH College of Occupational Therapy, Coimbatore
- Dr.K.Thenmozhi has been appreciated for being a Resource Person for BOT Induction Program held on 26.10.2023 at KMCH College of Occupational Therapy, Coimbatore

Reviewer in journal

- Acted as a reviewer in International Conference on Electrical Electronics and Computing Technologies, organized by Sharda School of Engineering and Technology, Sharda University, Greater Noida, Uttar Pradesh, India on August 29th - 31st 2024

- Acted as a reviewer for reviewing paper submissions in the International Conference on Artificial Intelligence, Communication, IoT, Data Engineering and Security (IACIDS 2023) organized by the Department of Data Science on 23-25 November 2023, CHRIST (Deemed to be University), Pune Lava Campus- " The Hub of Analytics".

Paper Presentations in Conference

International

- **AI and Machine Learning : A Beginner's Guide,** International Conference on Advance of Information Technology & Computer Applications for Sustainable Development, Sri Rama Krishna College of Arts and Science, Coimbatore on 21-Mar-2025

- **The Prospective Aspects of Robotic Markets in Upcoming Technology,** International Conference on Computational Intelligence and Communication Technologies ICCICT-2K25", Dr.N.G.P Arts and Science College, Coimbatore on 03-Jan-2025

- **Banana Leaf Disease Classification and Prediction using Deep Learning Techniques,** International Conference on Computational Intelligence and Communication Technologies ICCICT-2K25", Dr.N.G.P Arts and Science College, Coimbatore on 03-Jan-2025

- **The Role of Generative Artificial Intelligence in Higher Education,** A Two – Day International Conference on "Emerging Trends in Higher Education (ICETHE-2024)", Alagappa University College of Education Alagappa University, Karaikudi on 14 and 15 Mar 2024.

- **A Coverage Optimization Algorithm for the Wireless Sensor Network with Random Development by using an Improved Flower Pollination Algorithm** Dr. N.G.P Arts and Science College, Coimbatore on 04 Jan 24

- **Development of Artificial Intelligence (AI),** International Conference on COMPUTATIONAL INTELLIGENCE AND BIOLOGICAL SCIENCES (ICCIBS 2023) Sri Ramakrishna College of Arts & Science for Women on October 5, 2023

- **Artificial Intelligence and It's Application,** International Conference on "Computational Sciences and Applied Mathematics" (ICCSAM-2023),VET Institute of Arts and Science, Erode on 21st July, 2023.

- **An overview of Blockchain Technology its application and future trends**, International ConferenceonDigitalInformationSecurityandComputingTechnologiesinCollaborationwithLincolnUniversity,Malaysia,SankaraCollegeofScienceandCommerce, Coimbatoreon8th&9thApril,2022

- **Character of Data Mining in Cyber Security**, Second International Conference on Research trends

incomputing technologies(ICRTCT – 2020), Dr.N.G.P. Arts and Science College, Coimbatore, 28 and 29- Feb-20.

- **Advance Surveillance System using Block Matching Algorithms,** National Seminar on Computing Platforms for Biological Big Data Analytics(SERB Sponsored),Dr.N.G.P.Arts and Science College, Coimbatore,05and06-Feb-20.

- **Melanoma Skin Cancer Detection using Improved RBF Classifier,**
  International Conference, Dr.N.G.P Arts and Science College, 9&10-Aug-18.

National

- **Analytics Evolution: Insights into Emerging Trends,** National Conference on AI & DS: Challenges and Opportunities in the Digital Era, VET Institute of Arts and Science College, Erode, 04-Mar-2025

- **The Efficient Heart Disease Prediction Using Decision Trees with Feature Selection,** National Conference, PSGR Krishnammal College for Women, Coimbatore, 29-Jan-15.

- **Computerized Teaching Technique,** NAAC sponsored two day State Level Conference, AchievingAcademic Excellence through Internal Quality Assurance Cell (IQAC), Dr. N.G.P Arts and Science College, Coimbatore,9&10-Dec-11.

Presentations in Seminar

- **ICSSR sponsored One Day National Seminar on Higher Education Opportunities for the Transgender Community:** Addressing Socioeconomic and Legal Challenges Amidst Stigmatization, Organized by Sri Krishna Arts and Science College, Coimbatore, 24.01.2025
- **Comparisons of Routing Protocols in MANET**, National Seminar on Computing Platforms for Biological Big Data Analytics, Dr.N.G.P.Arts and Science College, Coimbatore, 05 and 6-Feb-20 **Web Mining,** National Seminar on Crystallizing Trends in IT, Sankara College of Science & Commerce, Coimbatore,15-Feb-12.

- **Intelligent&EffectiveHealthCarePredictionSystem,**InternationalSeminaronRecentTrendsinIT,Kaa madhenuArtsandScienceCollege,Coimbatore, 11-Jan-11.

Participation in Conference

- **IssuesinHigherEducation**,Dr. N.G.PArtsandScienceCollege,Coimbatore,29-Oct-10.

Participation in Seminars

- **Research in Computers:Why,What and How?**,BharathiarUniversity,Coimbatore,10-Feb-12.

- UGCfundedNationalSeminaron**ResearchIssuesinComputerScience**,VellalarCollegeofWomen,Erode, 8-Feb-12.

- **RecentTrendsinInformationTechnology**,SriRamaKrishnaMissionVidyalayaCollegeofArtsandScienc e,Coimbatore,23-Mar-09.

- **Research Methodology in Computer Science and Engineering**, Sri Vasavi College, Erode, 27&28-Feb-09.

- **Career Smartness in Computer Science** (CSCS'09), Dr.N.G.P. Arts and Science College, Coimbatore, 19-Feb-09.

- **Image Processing**, Sri Ramakrishna College of Arts and Science, Coimbatore, 21-Feb-05.

ParticipationinWorkshop

- **Professional Ethics & Plagiarism and Strengthening Research for Quality Publications,**Sankara College of Science and Commerce, Coimbatore, 31-Aug-19.

- **Research Issues in Data Mining and Implementation Aspects**, Sri Krishna College of Engineering and Technology, Coimbatore, 21&22-Feb-14.

- **Data Mining & Its Applications Using Rapid Miner**, Dr. N.G.P. Arts and Science College, Coimbatore, 28-Dec-13.

- **Research Issues in Data Mining and its Practical Approach**, Dr.N.G.P. Arts and Science College, Coimbatore,23-Feb-12.

- **Open Source Tools and Data Mining Research**, Dr. N.G.P. Arts and Science College, Coimbatore,8-Aug-09.

- **Computer Hardware** , Dr.N.G.P Arts and Science College, Coimbatore, 10 & 11-Dec-08.

Participation in Faculty Development Programme

- National Level Awareness Program on Institutional Development Plan (IDP) for Higher Education Institutions by Telangana Council of Higher Education and Institute for Academic Excellence (IAE), Hyderabad on 06-Mar-2025.

- 5 Days FDP on Empowering Educators: Strengthening Cybersecurity Awareness, Defence & Research organized by PSG College of Arts and Science College, Coimbatore on 24-Feb-2025 to 28-Feb-2025.

- 5 Days FDP on Exploring Entrepreneurial Opportunities: AI & IOT in Industry 4.0 organized by PSG College of Arts and Science College, Coimbatore on 03-Feb-2025 to 07-Feb-2025.

- One Day Online Faculty Development Program on AI Tools for Teaching organized by STAR International Foundation for Research and Education on 22-Jun-2024

- 7 Days National Level FDP on Python Star International Foundation for Research and Education, Namakal 19-Mar-2024 to 25-Mar-2024.

- **Faculty Development Programme,** on "Virtual Lab: A Learner Perspective Programme organized by VLB Janakiammal College of Arts and Science college on 16.02.2024

- 6 Days National Level Faculty Development Program on "Recent Advances in Smart Materials and Sensor Technology" organized by PAAVAI Engineering College, Namakkal from 12th to 17th February 2024.

- 5 day National Level Faculty Development Program on Python Programming With DJANGO Framework for building Web Applications" organized by CMR Engineering College, Hyderabad, from 12th to 16th Feb-2024.

- One week National Level Faculty Development Program on Cloud Infrastructure (AWS) organized by Christ, Pune Lavasa Campus, Maharashtra from 21st to 25th Aug 2023

- **International Virtual Faculty Development Programme**, on "Innovative Research Opportunities and Applications of Data Science in the Industry 5.0 Paradigm" at SRM Institute of Science and Technology College of Science & Humanities from 18-Aug-2023 to 31-Aug-2023.

- **Faculty Development Programme,** on "Empowering Education for Innovation- A NEP Perspective" , at Dr.N.G.P Arts and Science College from 30-Jun-2023- 04-Jul-2023.

- **Faculty Development Programme,** on "Outcome Based Education", at Dr.N.G.P Arts and Science College from 30-Jun-2023- 04-Jul-2023.

- **Faculty Development Programme,** on "Prominent Challengesin Computer Vision, Data

andIntelligence", atNAVARASAM Arts and Science College for Women from 26-Dec-2022 to 31-Dec-2022.

- Two Days National Level**Faculty DevelopmentProgramme,**on "ICT Tools and InnovativeTeachingTechniques",atIOTAcademyfrom29-Dec-2022to30-Dec-2022.

- One Day National Level**Faculty Development Programme,** on "Green Audit & Energy Audit in HEI's" ,atIOTAcademyon28-Dec-2022.

- **Faculty Development Programme**, on"Research Advancements in Intelligent Computing Technologies" ,at SRI KRISHNA College of Engineering And Technology from 19-Dec-2022 to23-Dec-2022.

- One Week Online International FDP on Next Generation Computing : Key Trends,Challengesand Opportunities organized by the Department of Computer Science & Applications (MCA),SRM Institute of Science &Technology,RamapuramCampusfrom18-Apr-22to23-Apr-22.

- Seven day online **Faculty Development Programme** on Research Methodology and Pedagogy for Tertiary Education during 15-Jun-2021, Organized by Internal Quality Assurance Cell and Center for Faculty Development, Dr.N.G.P. Arts and Science College Coimbatore

- Three days online **Faculty Development Programme** on "Improving Your Research Visibility - Research Impact and Metrics" jointly organized by Research and Development Cell and InternalQualityAssuranceCellfrom11-May-2020to13-May-2020

- PHP and MYSQL **Faculty Development Programme** organized at Dr.N.G.P. Arts and Science College Coimbatore From 02-Jan-2020 to 30-Jun-2020.

- **Faculty Development Programme,** Introduction to Big Data Analytics at Avinashilingam Institute for Home Sciences and Higher Education for women from 22-Jan-20to24-Jan-20.

- **Faculty Development Programme**, Big Data Analytics at Dr.G.R. Damodaran College of Science, Coimbatore, 28-Aug-19.

- **Faculty Development Programme,** NAAC Revised Accreditation framework & OBE Assessment methodology at Dr.N.G.P.Arts and Science College, Coimbatore, 27-May-19to03-Jul-19.

- **Faculty Development Programme**, Kongunadu Arts and Science College, Coimbatore, 27-Sep-14.

- **Enterprise Resource Planning Using SAPB1**, Dr.N.G.P.Institute of Technology,Coimbatore,31-Jul-10.

- **Teaching Excellence**, Dr.N.G.P. Arts and Science College, 6-Feb-09.

- **Errors in Communication**, Dr.N.G.P. Arts and Science College, Coimbatore, 9-Jan-09.

- **Diagnosing Student Psychology**, Dr.N.G.P Arts and Science College, Coimbatore, 5-Dec-08.

- **Behavioral Technology for Teaching**, Dr.N.G.P.Arts and Science College, Coimbatore, 26-Jul-08.

Participationin Webinar

- **"Data Visualization in R Programming",** Organized by IOT Academy ,on July-2022.

- "**Data Science for Cyber Security, Recommendation System and Health care**", Organized by Department of Computer Science & Engineering, Maharishi Markandeshwar Engineering College (MMEC) ,at Maharishi Markandeshwar (Deemed to be University), Mullana, Ambala, on 11-Sep-2021.

- "**Reinforcement Learning**" conducted by the Department of Computer Science and Computer Application, Sir Theagaraya College(shift-II) on 04-Sep-2021

- "**Current Research Trends in Block chain**" Organized by Department of Computer Science & Engineering, Maharishi Markandeshwar Engineering College (MMEC), at Maharishi Markandeshwar (Deemed to be University), Mullana, Ambala, on03-Sep-2021.

- "**Machine learning and Artificial intelligence"**, Organized by Andhra Loyola Institute of EngineeringandTechnology,on04-May-2020to06-May-2020.

Conference/Seminar/WorkshopOrganized

- **Organizing Secretary** ,National DST-SERB Sponsored Symposiumon Cyber Securityin Healthcare, Dr.N.G.P. Arts and Science College(NSCH-2022), Coimbatore, 13-May-2022.

  - **Organizing Committee member**, Second International Conference on Research Trends in Computing Technologies (ICRTCT-2020), Dr.N.G.P. Arts and Science College, Coimbatore, 28 and 29-Feb-20.

  - **Organizing Committee member**, National Seminar on Computing Platforms for Biological Big Data Analytics, Dr.N.G.P. Arts and Science College, Coimbatore,05and06-Feb-20.

  - **Organizing Committee member,** National Level Technical Symposium on TECHTRIX-2020, Dr. N.G.P. ArtsandScienceCollege,Coimbatore,03-Feb-20.

  - **Role - Treasurer, Innovations in Communicative World (NCICW' 12),** Department of Computer Science, Dr.N.G.P Arts and Science College, Coimbatore, 27-Sep-12.

Grants

- Applied for **INDIAN COUNCIL OF SOCIAL SCIENCE RESEARCH** Short-term Empirical Research 2023-24, **Title of the Research Proposal:** Millets for Rural Wellness: Empowering the Rural Consumers as COPI Investigator.

- Applied for **INDIAN COUNCIL OF SOCIAL SCIENCE RESEARCH** Short-term Empirical Research 2022-23, **Title of the Research Proposal: Evaluating the Impact awareness of NEP 2020: A study on Indian National Educational Policy 2020 HE in Digital Era** as PI Investigator.

Membership in Professional Bodies

NameoftheProfessionalBody	Natureofmembership	Duration
Green ThinkerZ™ Society	Life-time	**-**
Internet Society	Life-time	-
Teaching and Education Research Association	Life-time	-
IRED	Life-time	-

Awards/Honors

Awards/Honors	Agency/Institute	YearofAward
BestMentor	Dr.N.G.PASC	2019
Awarded silver coins for 100% Result	Dr.N.G.P Arts and Science College	2007–2009

Indexing and Citations

Google Scholar Citations:30

h-index:3

i10-index:1

Contribution

- Acting as a Coordinator for NCVRT since 2022 onwards

- Acting as a Manager for Criteria-II since 2022 onwards

- Acting as an Amrita V-Lab Nodal center coordinator

- Acting as a Member for Audit Commitee

- Department Association In-charge and BOS member