



Name : **Mr. R. SEKAR**
Designation : Assistant Professor
Department : UG - Information Technology
Qualification : M.Sc., M.Phil. DISM., (Ph.D).
Experience : Teaching: **19 Years**
Area of Specialization(s) : Neural Networks
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Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph. D.	Computer Science	Bharathiar University, Coimbatore	Pursuing from November 2022
M. Phil.	Computer Science	Bharathiar University, Coimbatore	2008
M.Sc.,	Information Technology	Bharathidasan University, Trichy	2004
B.Sc.,	Electronics	Bharathiar University, Coimbatore	2000

Additional Qualification(s)

Diploma / Vocational / Certification	Area of Specialization	Institution / University / AgencyName
DISM., (Diploma in Information and System Management)	---	APTECH Institution, Pollachi

Grants Applied

Event Title	Agency	Amount
Impact of Startups in Small scale Industries in Coimbatore District (Minor Project)	ICSSR	Rs.3,50,000

Grants Received & Completed

Event Title	Agency	Amount	Date
Impact of Startups in Small scale Industries in Coimbatore District (Minor Project)	ICSSR	Rs. 3,50,000	March 25, 2022

Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
Ph.D.	-	-
M. Phil.	2	-

Additional Responsibilities

- ▶ From June 2008 to May 2014 appointed as an NSS Programme Officer in NGM College, Pollachi.
- ▶ From January 2018 to till date appointed as an Internal Auditor for ISO in NGM College, Pollachi.
- ▶ From June 2019, Department IQAC Coordinator in NGM College, Pollachi.
- ▶ From June 2019, Coordinator of IIT Spoken Tutorial, Bombay in NGM College, Pollachi.
- ▶ Department Library In-Charge from June 2019 to Till Date in NGM College, Pollachi.

Invited Speaker / Session Chair- Conference / Seminar/Workshop

- **Resource Person** - On 30.12.2021, a weekly forum meeting organized by IQAC, NGM College, Pollachi and presented lecture on the topic “Devices in Computer Networks & Open Educational Resources”.
- **Invited Speaker** - On 11.07.2023, addressed the “IIT Bombay Spoken Tutorial” Bridge course for all first years (2023-2026 Batch).
- **Invited Speaker** - On 05.07.2024, addressed the “IIT Bombay Spoken Tutorial” Bridge course for all first years (2024-2027 Batch).

Member in BoS

- Member in Board of studies in Department of Information Technology, NGM College, Pollachi.

Awards / Honors / Appreciation

Awards / Honors	Agency / Institute	Year of Award/ Honor/ Appreciation
Organizer Appreciation	IIT Spoken Tutorial, Bombay	2021 - 2022

Organizer Appreciation	IIT Spoken Tutorial, Bombay	2022 – 2023
Organizer Appreciation	IIT Spoken Tutorial, Bombay	2023 – 2024
Organizer & Invigilator Appreciation	IIT Spoken Tutorial, Bombay	2024 – 2025

Research Publications in Journals

- On 01.08.2016 published a paper “Classification of algorithms in partition based clustering”, in International Journal of Research in Computing Science, Engineering and Technology (**IJRCSTE**).
- On 10.09.2016 published a paper “Survey of clustering methodology in Data mining”, in International Journal of Modern computer science and Applications (**IJMCSA**).
- On 15.10.2016 published a paper “A Study of Decision Tree Algorithm for Data mining”, in International Journal of Modern Computer Science and Applications (**IJMCSA**)
- On 15.11.2023, published a paper in Journal of The Maharaja Sayajirao University of Baroda (**UGC Carelist Group - I**), entitled “A REVIEW PAPER ON CURRENT TECHNOLOGIES FOR LEAF DISEASES PREDICTION USING MACHINE LEARNING TECHNIQUES”, VOL 57 No. 1 (VII) November 2023, ISSN: 0025-0422.
- On 15.11.2023, published a paper in Journal of The Maharaja Sayajirao University of Baroda (**UGC Carelist Group - I**), entitled “A REVIEW PAPER ON CURRENT TECHNOLOGIES FOR LEAF DISEASES PREDICTION USING MACHINE LEARNING TECHNIQUES”, VOL 57 No. 1 (VII) November 2023, ISSN: 0025-0422.
- On 10.09. 2024, published a paper in Journal of Computational Analysis and Applications (**JOCAA**) **SCOPUS** entitled “ADAPTIVE TYPE 2 FUZZY AND BPNN CLASSIFICATION BASED PLANT LEAF DISEASE DETECTION” VOL. 33, NO.8, 2024.

Presentations in Conference

National & International

- On 20.3.2015, presented a paper in the Topic “Neural Network and its Applications” in National Level Conference organized by VLB college of Arts and Science, Coimbatore.
- On 1.2.2019, presented a paper in the topic “A Survey on Wireless Networks” in National Conference on “Emerging Research Trends in computer Science and Technology”, organized by Department of Computer Science, SNMV College, Coimbatore.
- On 27 10.2021, presented a paper “E- Banking - A Bird Eye View” in the International Conference ETIST-2021 organized by Department of Biological Science, Physical Science and Computational Science, NGM College, Pollachi.

- On 07.02.2025 presented a paper in International Conference on Recent Trends in Computer Science, Technology, Data Science, and Applications (ICRTCTDA-2025) entitled “Adaptive Type 2 Fuzzy and BPNN Classification Based Plant Leaf Disease Detection” organized by Vidyasagar College of Arts and Science, and Aandal trust Udumalpet.
- On 19.09.2025 presented a paper in 2nd International Conference on Recent Trends in Multidisciplinary Research and Innovation (ICRTMRI‘25) entitled “ACTIVE CONTOUR INTEGRATION SEGMENTATION WITH ANN CLASSIFICATION BASED PLANT LEAF DISEASE DETECTION” organized by AVP College of Arts and Science, Avinashi.

Participation in Conference

National & International

- On 20.03.2015, presented a paper in the Topic “Neural Network and its Applications” in National Level Conference organized by VLB college of Arts and Science, Coimbatore.
- On 22.2.2016, presented a paper in the topic ”Partition based clustering Algorithms” in National Level Conference organized by Vidyasagar college of Arts and Science, Udumalpet.
- On 01.02.2019, presented a paper in the topic “A Survey on Wireless Networks” in National Conference on “Emerging Research Trends in computer Science and Technology”, organized by Department of Computer Science, SNMV College, Coimbatore.
- On 27 10.2021, presented a paper “E- Banking - A Bird Eye View” in the International Conference ETIST-2021 organized by Department of Biological Science, Physical Science and Computational Science, NGM College, Pollachi.

Participation in Seminars

- On 8.1.2019 participated in the one day Seminar on “Cyber Security Awareness” organized by department of Computer Science (Aided) in NGM College, Pollachi..
- On 9.2.2018, attended a national seminar in the topic “National seminar on Career openings in Networking” conducted by PG Department of Computer Applications, NGM College, Pollachi.
- On 15.11.2021, attended One Day National Level Seminar on “Intellectual Property Rights and Research Ethics” organized by Department of Computer Technology, NGM College Pollachi.
- From 3.11.2022 to 4.11.2022, attended NAAC Sponsored National Virtual Seminar conducted by IQAC, NGM College, Pollachi.
- On 30.01.2023 and 31.01.2023, attended ICSSR Sponsored two days National Level Seminar on "Blended mode of Teaching and Learning for Teacher's Community" organized by B.Com (BPS) , NGM College, Pollachi
- On 08.02.2023 and 09.02.2023, attended ICSSR Sponsored Two days National Level Seminar on "Impact of Digital Learning in Education Sector - A Pandemic Perspective" organized by Department of B.Com(SF) , NGM College, Pollachi.
- On 21.7.2023, attended the ICSSR Sponsored National Seminar on Initiatives for Global Leadership by 2047, organized by Dept. of Commerce, NGM College, Pollachi.

Presentations in Seminars

- ▶ On 12.2.2011, presented a Paper in the title of “Neural Network” on one day State Level Seminar Organized by the Department of Computer Science, Vidyasagar Arts and Science College, Udumalpet.

Participation in Workshop

- On 16.7.2010 Participated in the one day workshop on “Cloud Computing” Organized by the Department of Computer Science Engineering in M.A.M College of Engineering, Trichy,
- On 17.4.2015 attended a one day workshop NPTEL programme organized by STC College and NPTEL (IIT CHENNAI).
- On 9.3.2017 & 10.3.2017 participated in the Two days National Level Workshop on “Big Data Analytics”, jointly organized by our department and department of Computer Technology, NGM College, Pollachi.
- On 11.4.2018 attended a workshop “Workshop on E-Content Development” organized by NAAC in NGM College, Pollachi.
- On 28.9.2018 attended one day workshop on “E – content Development”, organized by E – content development cell in NGM college, Pollachi..
- On 12.10.2021, attended National workshop on “Data analytics using R” organized by Department of Data Analytics (PG), PSGR Krishnammal College, Coimbatore.
- On 27.9.2023 attended the one day workshop in the topic “Real Time Implementation Using Internet of Things” in NGM College, Pollachi.

Participation in Orientation Programme / Short Term Courses

- On 14.09.2012 attended a one day orientation programme at Bharathiar university in the topic “Working with persons with disabilities”
- On 04.10.2021 to 11.10.2021, attended Seven days Short Term Training Program on “Latest Trends in Information Technology” organized by UG Department of Computer Application & IQAC, NGM College.
- On 28.03.2022 to 01.04.2022, attended the five days UGC stride online Training Programme on “Environmental Sustainability and Research Ethics” organized by Department of Computer Science & Information Technology, Avinashilingam Institute, Coimbatore.

Participation in Professional Training Programme

- Participated in a Professional Training Program on 16.09.2022 titled “Social Media Technologies and Marketing” conducted by the Department of Computer Science, NGM College, Pollachi.
- Participated in a Professional Training Programme for Teaching Faculty on “Writing Research Document using **LaTeX**” on 21.10.22, organized by department of Mathematics (Aided), NGM College, Pollachi.

Participation in Faculty Development Programme

- On 12.02.2013 and 13.02.2013 attended two days training on “High Impact Teaching”, Faculty Development Programme conducted by Academy for professional development in NGM College, Pollachi.
- On 06.08.2013 to 08.08.2013 attended three days training on “Effective Teaching Skills”, Faculty Development Programme conducted by Wipro in Karpagam College of Engineering, Coimbatore.
- On 10.9.2016, attended a Faculty Development Programme on “Innovative strategies to enhance teaching learning process”, organized by Sree Ramu College of Arts and Science, Pollachi.
- On 10.7.2017 and 11.7.2017, attended a Faculty Development programme on the topic “Internet of Things”, organized by Bharathiar University, Department of Extension and career guidance and UTL Technology Ltd., Bangalore.
- On 12.06.2019 to 14.06.2019, attended the Faculty Development Programme entitled “Recent Trends in Higher Education in Science and Humanities to Rural Students” conducted in NGM College, Pollachi.
- On 16.3.2020, attended a one day FDP “Neural Networks & Deep Learning” organized by Sri Ramakrishna College of Arts & Science, Coimbatore.
- On 24.4.2020, attended International Faculty Development Programme on “Develop the ability to write Research Proposal” conducted by AIMIT – Adarsh Group of Institutions.
- On 27.04.2020, attended a one days FDP on” Research methodology”, conducted by Bharathiar University Arts and Science College, Pollachi.
- On 28.4.2020 to 2.5.2020, attended three days Online Faculty Development Programme on “Emotional Intelligence” conducted by KG College of Arts and Science.
- From 29.4.2020 to 1.5.2020, attended Faculty Development Programme on “MOODLE LEARNING MANAGEMENT SYSTEM”, organized by KAYPEES College, Kothagiri.
- From 1.5.2020 to 5.5.2020, attended Five days “Faculty Development Programme on python 3.4.3”, organized by spoken tutorial project, IIT Bombay Organized by GVG College, Udumalpet.
- On 11.5.2020 to 13.5.2020 attended three day online Faculty Development Programme on “Improving your Research visibility – Research Impact and Metrics” organized by IQAC of Vellalar college of Engineering and Technology, Erode.
- On 03.08.2021 to 10.08.2021, attended the 7 Days FDP “On Research Perspectives on New Age Technologies” organized by Dept. of Computer Science (SF). NGM College, Pollachi.
- On 20.9.2021 to 27.9.2021, attended one week FDP on "Application Perspectives in IOT", organized by Department of computer science (SF), NGM College, Pollachi.

- Attended a 5 Days (10.10.22 to 14.10.22) National Level FDP program titled “Recent Trends in Research Methodologies and Tools” conducted by the Department of Information Technology, KG College of Arts & Science, Coimbatore.
- From 19.11.2022 to 23.11.2022, attended advanced techniques in computer Science and applications - FDP conducted by SAVEETHA college of Liberal Arts and Science, Chennai.
- From 15.7.2024 to 24.7.2024 attended a five days FDP on “Yoga for Healthy Life” conducted by the Department of Human Excellence , NGM College, Pollachi.
- From 04.11.2024 to 08.11.2024 attended a five day FDP on “Yoga for Emotional Stability” conducted by the Department of Human Excellence, NGM College, Pollachi
- From 11.11.2024 to 15.11.2024 attended a five day FDP on “5G Networks Slicing & Applications ” conducted by Presidency School of Information Science (PSIS), Presidency University
- Attended a five days FDP on “Yoga for Healthy Life” conducted by the Department of Human Excellence from 15.7.2024 to 24.7.2024.
- Attended a five day FDP on “Yoga for Emotional Stability” conducted by the Department of Human Excellence, NGM College, Pollachi from 04.11.2024 to 08.11.2024.
- Attended a five day FDP on “5G Networks Slicing & Applications” conducted by Presidency School of Information Science (PSIS), Presidency University from 11.11.2024 to 15.11.2024.

FDP/ PDP/Conference / Seminar /Workshop Organized

- On 07.10.2022. Organized a Professional Development Programme (PDP) for Non-Teaching members in NGM College the topic of ‘**HARDWARE AND NETWORKING**’.
- On 20.4.2023 & 21.4.2023, organized a Two days Workshop on "**Mobile Handset Services and Training**" with RK mobiles, Negamam, Pollachi.



(Mr. R. SEKAR)