S.NITHYAKALYANI

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Mobile No.: 09842351975

CAREER OBJECTIVE

To explore and utilize my skills in ainstitution by sharing my knowledge and experience with students and develope them as intellectuals and groom them towards their excellent livelihood.

KEY RESPONSIBILITIES

- Acting as Department BoS Coordinator

- Acting as Department R&D Coordinator

- Acting as Students Counsellor/Mentor

- Acting as NAAC Coordinator

- Acted as NBA Coordinator

- Acted as Project Coordinator

- Acted as technical trainer

- Acted as Coordinator in Brain Computing Interface research centre

- Acted as Department Coordinator for Examination Cell

- Acted as Coordinator for Women Empowerment Cell

- Question Paper Setter in Various Colleges

EDUCATIONAL QUALIFICATIONS

Degree & Specialization : **Ph.D & Datamining**
Year : July 2007 - 2014
University : Anna University, Chennai

Degree & Specialization : **M.E. (Computer Science and Engineering)**
Year : 2004-2006
Institution : Kongu Engineering College,Periundurai, Erode.
University : Anna University of Technology,Coimbatore.
Grade : 74.5 %

Degree &Specialization : **B.E.** (Information Technology)
Year : 2000-2004
Institution : Avinashilingam Engineering College for Women
University : Deemed University
Percentage : 77.5%

WORK EXPERIENCE   *(15.11 Years)*

- **Professor**, Since Jan 2022,, K.S.R. College of Engineering (Autonomous), Tiruchengode

- **Associate Professor**, from July 2012, Information Technology, K.S.R. College of Engineering (Autonomous), Tiruchengode

- **Assistant Professor ,** from July 2010 - June 2012, Department of Computer Science and Engineering, K.S.R. College of Engineering (Autonomous), , Tiruchengode

- **Senior Lecturer** ,from August 2009 - June 2010, , Department of Computer Science and Engineering, K.S.R. College of Engineering, Tiruchengode

- **Lecturer,** from July 2006 - July 2009, Department of Information Technology, K.S.R. College of Engineering, Tiruchengode

Achievement		
Teaching Experience : 15 Years & 11 months	Session Chaired in Conferences : 03	
Patent filed ,Granted & Published : 02	International Editorial Board : 05	
Indexed Journal : 20	National Workshops/Seminars Organized : 10	
Research Scholar Completed : 04	International Journal Publications : 39	
Research and Funding Agency (R&D)		
ICMR & SERB : 01	National Journal Publications : 01	
Sessions/Symposium Organized : 03	International Conferences attended : 17	
Membership in Professional Bodies : 01	National Conferences attended : 09	
National Workshops/Seminars Organized : 10	National/International Workshop attended : 17	
National Conference Organized : 01	National/International Seminar attended : 20	
International Conference Organized : 02	National/International SDP/FDP attended : 17	
Research scholars	Project guided for Post Graduate level : 12	
Completed : 04	Project guided for Under Graduate level : 15	
Pursing : 06	Mini Project guided for Under Graduate level : 05	

RESEARCH DETAILS

Research Area   **:** DATA MINING & WIRELESS

SENSOR NETWORK

Objective   **:** Voronoi based Clustering Algorithms for Wireless Sensor Network

RESEARCH SCHOLOR DETAILS

Sl.No	Name of the Scholar	Title of the Research	Name of the University	Year and month of Registration	Year and month of Completion	Full time /Part Time
1.	Suresh M	Time Sensitive stream mining in Cloud paradigm to attain Intrusion Prevention	Anna University	21.06.2009	Completed 20.09.2017	Part Time
2.	Tamilarasi K	Performance And Accuracy analysis of Signature Verification Using Deep learning techniques	Anna University	27.06.2015	Completed 23.09.2021	Part Time
3.	Sujanthi S	Qos Aware Dynamic Clustering And Deep Routing For Secure WSN Assisted Internet Of Things	Anna University	11.02.2016	Completed 15.11.2021	Part Time
4.	Kumaresan K	Energy Efficient Regional Feature Appoximation based clustering and routing in WSN	Anna University	16.06.2013	Completed 28.12.2021	Part Time
5.	Nanthini S	An Attempt on Enhancing Energy Efficiency In Different Modalities of Wireless Sensor Network	Anna University	25.06.2015	Completed 11.08.2022	Part Time
6.	Precila Mary R	Wireless Sensor Network	Anna University	08.08.2011	Synopsis Submitted Dt.: 28.05.2018	Part Time
7.	Arjun Kumar C R	Big Data Analytics	Anna University	25.06.2015	Conformed Dt.: 21.04.2017	Part Time
8.	Vijayashaarathi S	Wireless Sensor	Anna University	23.06.2015	Conformed Dt.:	Part Time

		Network			31.01.2017	
9.	Saravanan M	Network Security	Anna University	08.02.2016	Conformed Dt.: 24.11.2017	Part Time
10.	Nancy Lima Christy S	Image Processing	Anna University	24.07.2021	Registration Completed	Full Time

FUNDING DETAILS

Name of the Funding Agency : ICMR
Seminar Title : Two Days National Seminar on Emerging Tools to Analyze Brain Waves for Artificial Limb Technology
Project Amount : 40,000 INR
Status: Completed and UC submitted.

Name of the Funding Agency : SERB
Seminar Title : Data Mining Trends & Development for Geospatial Technology and its Applications
Project Amount : 30,000 INR
Status: Completed and UC submitted.

EVENTS ORGANIZED

- ✓ Convenor for one day Seminar On **"Tips And Techniques To Crack Interview"** on 02.03.2022.
- ✓ Convenor for one day **"Hands-on Training programme on Python for Deep learning"** on 12.06.2021.
- ✓ Coordinator for one day Seminar On **"Communication Skills in Workplace**" on 14.02.2021.
- ✓ Coordinator for one day Seminar On **"Edge Technology**" on 29.01.2021.
- ✓ Coordinator for seminar for **"Understanding of Programme Outcomes (POs)"**on 06.11.2019.
- ✓ Coordinator for **"One Day Seminar On Women Entrepreneur and Empowerment programme "**on 26.08.2019.
- ✓ Coordinator for CSI sponsored **International Conference on "Information and Computational Science"** on 27.03.2019 & 28.03.2019.
- ✓ Coordinator for **C CUBES TECHNOLOGIES s**ponsored seminar on "Python and Software Testing" on 13.03.2019.
- ✓ Coordinator for organizing seminar on "**Bigdata Analytics, Artificial Intelligence, Machine learning and Deep Learning"** on 31.10.2018.
- ✓ Coordinator for CSI **sponsored International Conference on "Information and Computational Science"** on 27.03.2018 & 28.03.2018.
- ✓ Coordinator for one day workshop on **"Microsoft Office"**on 11.07.2017.

- ✓ Organizing secretary for ICMR sponsored National seminar on "**Two Days National Seminar on Emerging Tools to Analyze Brain Waves for Artificial Limb Technology",** on 6.11.2015 & 7.11.2015.
- ✓ Coordinator for DST sponsored National Seminar on " **Trends & Development for Geospatial Technology and its Applications"** on 07.01.2015 and 09.01.2015.
- ✓ Cordinator for CSI sponsored **Two days hands On Training in "Research Tools for Data mining and Big data Analytics"** on 13.10.2014 and 14.10.2014.
- ✓ Coordinator for AICTE sponsored **Two Weeks Faculty Development Programme (FDP) on "Security Issues in Utility Computing"** on 17.06.2013 to 03.06.2013.

THECNICAL SKILL SETS

- ➢ C,C++,Java,Weka,R tool
- ➢ Good Communication skills
- ➢ Excellent interpersonal skills

PATENTS

- ➢ lished Patent entitled "Installation and experimental and computational evaluation of an integrated thermal storage and solar colling unit" Published on 30/04/2021 under the application no. 202141018162.
- ➢ Published Patent entitled "An IOT Fan Along With Speed Control Mechanism " Published on 31/12/2021 under the application no. 202141059430.

PUBLICATION DETAILS

INTERNATIONAL JOURNAL

1. Paper entitled **"Shipping Management System**", International Academic Institute for Science and Technology, Vol 9, No 2,pp. 31-34, 2022.
2. Paper entitled **"Connected Health IoT**", International Journal of Advances in Engineering and Emerging Technology, Vol 13, No 2,pp. 81-84, 2022.
3. Paper entitled "**Planle-Social Media Post Scheduler**", International Research Journal of Modernization in Engineering Technology and Science, Vol 4, No 6,pp. 1258-1265, 2022.
4. Paper entitled **"Security for Medical Image Using RSA**", International Academic Journal of Innovative Research, Vol 9, No 1,pp. 20-27, 2022.
5. Paper entitled "**Energy Efficient Clustering Protocol to Enhance Network Lifetime in Wireless Sensor Networks**", Journal of Computers, Materials & Continua, Vol 68, No 1,pp. 3595-3614, 2021. (Annexure –I). **(Indexed by SCOPUS)**
6. Paper entitled "**Dominating set based virtual backbone cluster scheduling for ensuring energy efciency in asymmetric radio WSN**", Journal of Ambient Intelligence and Humanized Computing, 2021. (Annexure –I). **(Indexed by SCOPUS)**

7. Paper entitled **"Ensembled Adaboost Learning With Nonlinear Regression Tree For Energy Aware Data Gathering In WSN"**, Journal Of Turkish Journal Of Physiotherapy And Rehabilitation, Vol 32, No 3,pp. 34581-34599, 2021. **(Indexed by SCOPUS)**

8. Paper entitled **"An Overflow Problem In Network Coding For Secure Cloud Storage"**, Journal of International Research Journal of Modernization in Engineering Technology and Science, Vol 3, No 5,pp. 1928-1933, 2021. (Annexure –I). **(Indexed by SCOPUS)**

9. Paper entitled **"Energy efficient cluster based multilevel hierarchical routing for multi-hop Wireless Sensor Network"**, Journal of Ambient Intelligence and Humanized Computing, Vol 12, No 3,pp. 3821–3830, 2021. (Annexure –I). **(Indexed by SCOPUS)**

10. Paper entitled "**SecDL: QoS-Aware Secure Deep Learning Approach for Dynamic Cluster-Based Routing in WSN Assisted IoT",** Wireless Personal Communications, Vol.114 No.3, pp. 2135-2169, 2020. (Annexure –I). **(Indexed by SCOPUS)**

11. Paper entitled **"Design and implementation of deep learning strategy based smart signature verification System",** Microprocessors and Microsystems, Vol.77, No. 1, 103-119, 2020. (Annexure –I). **(Indexed by SCOPUS & WOS)**

12. Paper entitled **"Enabling Technologies Using Iot For Dumpsters Management"**, International Research Journal of Modernization in Engineering Technology and Science, Vol. 2, No.8, pp. 978-980, 2020.

13. Paper entitled **"Balancing Energy Efficiency Using Virtual Backbone Scheduling Algorithm in Wireless Sensor Networks",** Asian Journal of Information Technology, Vol. 19, No.2, pp.45-49,2020. Scopus Indexed Journals

14. Paper entitled "**Balancing Energy Efficiency Using Virtual Backbone Scheduling Algorithm in Wireless Sensor Networks",** Mukt Shabd Journal, Vol. 19 No.2, pp.45-49,2020. Scopus Indexed Journals

15. Paper entitled "**On Line Signature Verification Using Manhantton Algorithm",** International Journal of Scientific & Technology Research, Vol. 9 No.2, pp.1054-1056,2020. Scopus Indexed Journals

16. Paper entitled **"Trajectory Mining Using Uncertain Sensor Data Model with Probabilistic Suffix Tree",** International Journal of Advances in Engineering and Emerging Technology, Vol 10, No.02, pp 42-50, May 2019.

17. Paper entitled **"Survey of Trajectory Mining using Uncertain Sensor Data Model with Probabilistic Suffix Tree",** International Journal of Advanced Research in Computer and Communication Engineering, Vol 7, No. 11, pp 13-18, Nov 2018.

18. Paper entitled **"Video Quality Assessment for Concurrent Multipath Transfer",** International Research Journal of Innovations in Engineering and Technology, Vol 2, No. 10, pp 14-17, Dec 2018.

19. Paper entitled **"Dynamic clustering Approach in Wireless Sensor Networks",** International Journal of Management, Technology and Engineering, Vol 8, No. 09, pp 781-785, Nov 2018.

20. Paper entitled **"Feature Selection Based on Fuzzy Logic Algorithm for Signature Verification",** International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, Vol 7, No. 01, pp 124-127, Jan 2018.

21. Paper entitled **"Data Aggregation in Wireless Sensor Networks: An Overview"**, International Journal of Creative Research Thoughts, Vol 06, No. 02, pp 284-285, April 2018.

22. Paper entitled **"Offline Signature Verification Method based on Matlab Representation",** Journal on Science Engineering and Technology, Vo1 5, No. 02, pp 73-77, April 2018.

23. Paper entitled **"Parallel and Multiple E-Data Distributed Process with Progressive Duplicate Detection Model",** Bonfring International Journal of Software Engineering and Soft Computing, Vol. 8, No. 1, 23 -25, March 2018.

24. Paper entitled **"An Overview of Applications of Big Data Analytics",** Bonfring International Journal of Software Engineering and Soft Computing, Vol. 8, No. 1, 6 -11, March 2018.

25. Paper entitled **"Heuristics Approach for Analyzing the Geo-Distributed Data",** Bonfring International Journal of Software Engineering and Soft Computing, Vol. 8, No. 1, pp 1- 4, March 2018.

26. Paper entitled **"Video Quality Assessment for Concurrent Multipath Transfer",** Bonfring International Journal of Networking Technologies and Applications, Vol. 5, No. 2, pp 18- 20, April 2018.

27. Paper entitled **"Energy Efficient by Piezoelectric Effect Synchronous Multicast Protocol (PESM) in Wireless Sensor Networks",** Journal of Electrical Engineering, Vol.19, No.01, pp1–7, 2018. (Annexure –I). **(Indexed by SCOPUS)**

28. Paper entitled **"A review on challenging issues of Selecting Network from Heterogeneous Wireless Networks",** Journal of Research in Science, Technology, Engineering and Management, Vol.03, No.04, pp74–77, 2017.

29. Paper entitled **" Identification of Fault Location in Transmission Lines Including Unified Power Flow Controller",** International Journal of Applied Engineering Research, Vol 10, No 5, pp177-186,2015

30. Paper entitled **"A Review of Energy Efficient Routing Protocol In WSN",** International Journal of Modern Trends in Engineering and Research, Vol.02, No.09, pp 2349–9745, 2015.

31. Paper entitled **"A Survey on Bridging Vocabulary Gap in Healthcare with Ontology Support",** International Journal for Scientific Research & Development, Vol.3, No.07, pp 2321-0613, 2015.

32. Paper entitled **"Heart Disease Classification using Mean Variant Technique and Risk Factors",** International Journal of Emerging Technology in Computer Science & Electronics, Vol.15, No.1, pp 72-77, 2015.

33. Paper entitled "**Collaborative data processing in WSN Voronoi fuzzy Clustering",** International Journal of Computers Communication & Control, Vol.74, No.5, pp.38-42, 2015. ((Annexure –I). **(Indexed by SCOPUS) (SCI Indexed)**

34. Paper entitled **"Analysis of node clustering algorithms for data aggregation in wireless sensor network",** Journal of Scientific & Industrial Research, Vol.74, No.5, pp.38-42, 2015. (Annexure –I). **(Indexed by SCOPUS)**

35. Paper entitled **"Semi-Supervised Fuzzy Rule Algorithm for Predicting Heart Beat Classification and Risk Factor",** International Journal of Computer & Organization Trends, Vol.14, No.1, pp 6-10, 2015.

36. Paper entitled **"Voronoi Fuzzy Clustering Approach for Data Processing in WSN",** International Journal of Computational Intelligence System", Vol.7, No.1, pp.105-113, 2014. (Annexure –I). **(Indexed by SCOPUS and WOS)**

37. Paper entitled **"An Improved Privacy Preserved Rule Mining for Credit Dataset with Discrimination Prevention",** International Journal of Innovative Research in Computer and Communication Engineering, Vol.2, No.1, pp.899-906, 2014.

38. Paper entitled "**Efficient Voronoi K-Means Algorithm for Mining Local Crime Spatial Outliers in Spatial Crime Data",** Australian Journal of Basic and Applied Sciences, Vol.7, No.10, pp.67-74, 2013. **(Indexed by SCOPUS)**

39. Paper entitled **"Voronoi BFO algorithm for Data Processing in WSN"**, International Journal of Applications of Fuzzy Sets and Artificial Intelligence, Vol 3, No.1, pp71-89, 2013. Indexed Journal

40. Paper entitled **"An approach to data Aggregation in wireless sensor network using Voronoi fuzzy clustering algorithm",** Journal of Scientific & Industrial Research, Vol.72, No.5, pp.287-293, 2013. (Annexure –I). **(Indexed by SCOPUS)**

41. Paper entitled **"Optimal Clustering Algorithm for energy Efficient Data Aggregation in WSN",** European Journal of Scientific Research, Vol.78, No.1, pp.146-155, 2012.

42. Paper entitled "**Energy Efficient Data Aggregation using Voronoi based Genetic Clustering Algorithm in WSN",** International Journal of Computer Applications, Vol.54, No.4, pp.37-41, 2012.

43. Paper entitled **"Data Relay Clustering Algorithm for wireless Sensor Networks: A Data Mining Approach"**, Journal of Computer Science, Vol.8, No.8, pp.1281-1284, 2012. (Annexure –I). **(Indexed by SCOPUS)**

44. Paper entitled **"Clustering Algorithm for Wireless Sensor Network: A Survey",** International Journal of Advanced Research in Computer Science, Vol.2, No.1, pp.1281-1284, 2011.

INTERNATIONAL CONFERENCE

1. Presented a paper **"Enhanced Eror correction algorithm for streaming high definituion video over multihomed wireless networks (MWN)"** in Softcomputing Research Society

sponsored International Conference on Artificial intelligence : Advances and Application at Poornima College of Engineering, Jaipur, India, on 23th and 24th April 2022.

2. Presented a paper **"Performance Analysis of machine learning algorithms for strabismus detection –a Systematic Review"** in AICTE Sponsored International e-Conference on fusion cutting Edge Technologies –Advancement & challenges at IILM Academy of higher Learning. Greater Noida on 5th and 6th March 2022.

1. Presented a paper **"Video quality assessment for concurrent multipath transfer"** in CSI Sponsored International Conference on Information and Computational Science at K.S.R. College of Engineering, Tiruchengode on 27th and 28th April 2018.

2. Presented a paper **"Heuristics approach for analyzing the geo-distributed data"** in CSI Sponsored International Conference on Information and Computational Science at K.S.R. College of Engineering, Tiruchengode on 27th and 28th April 2018.

3. Presented a paper **"An Overview Of Applications Of Big Data Analytics"** in CSI Sponsored International Conference on Information and Computational Science at K.S.R. College of Engineering, Tiruchengode on 27th and 28th April 2018.

4. Presented a paper "**Parallel And Multiple E-Data Distributed Process With Progressive Duplicate Detection Model"** in CSI Sponsored International Conference on Information and Computational Science at K.S.R. College of Engineering, Tiruchengode on 27th and 28th April 2018.

5. Presented a paper "**Offline signature verification methods base on Matlab presentation**" in CSI Sponsored International Conference on Information and Computational Science at K.S.R. College of Engineering, Tiruchengode on 27th and 28th April 2018.

6. Presented a paper "**Video quality assessment for concurrent multipath transfer"** in CSI Sponsored International Conference on Information and Computational Science at K.S.R. College of Engineering, Tiruchengode on 27th and 28th April 2018.

7. Presented a paper **"A Low Propagation delay multi-cast routing protocol using in resource allocation for wireless network"** in IEEE Sponsored International Conference on Intelligent Computing and control at Karpagam College of Engineering, Coimbatore on 23rd and 24th June 2017.

8. Presented a paper **"Video Streaming In Heterogeneous Wireless Networks"** in International Conference on Convergence for Trends In Technology at A.V.S College of Technology on 28th April 2017.

9. Presented a paper **"A Survey on Signature Verification Based Algorithms"** in IEEE Sponsored International Conference on Electrical, Instrumentation and Communication Engineering (ICEICE-2017) at M.Kumarasamy College of Engineering, Karur on 27th -28th April 2017.

10. Presented a paper **"Security mechanism for Android Cloud Computing"** in IEEE Sponsored International Conference on Global Conference on Communication Technologies (GCCT - 2015) at M.Kumarasamy College of Engineering, Karur on 23rd -24th April 2015.

11. Presented a paper **"Heart Disease Classification Using Mean Variant Technique and Risk Factors"** in International Conference on Advances in Emerging Technology (ICAET '2015) at Jaya Engineering College on 28th March 2015.

12. Presented a paper "**Predicting Heart disease classification using Semi Supervised Algorithm"** in International Conference on Advances in Emerging Technology (ICAET '2015) at Jaya Engineering College on 9th and 10th Jan 2015

13. Presented a paper **"An Improved Privacy Preserved Rule Mining for Credit Dataset with Discrimination Prevention"** in International Conference on Global Innovations in Computing Technology (ICGICT'14) at JayShriram Group of Institutions on 6th & 7th March 2014.

14. Presented a paper "**Data Aggregation in Wireless Sensor Network Using Node Clustering Algorithms — A Comparative Study**" in IEEE Conference on Information & Communication Technologies (ICT), at Noorul Islam College of Engineering on 11th &12th April 2013.
15. Presented a paper "*Energy Efficient Voronoi based fuzzy clustering for data aggregation in WSN*" in International Conference on Advanced Computing Technology, at J.K.K.Nataraja College of Engineering and Technology on 9th & 10th March 2012.
16. Presented a paper "**Distributed Document Clustering Scheme For Dynamic Node Clustering**" in International Conference on Innovative Research in Engineering And Technology, at Park college of Engineering and Technology on 12th -14th August 2010.

NATIONAL CONFERENCE

1. Presented a paper "**Data sharing in cloud computing using cryptosystem**" in National Conference on Knowledge Based Scientific Research and Communication Engineering at K.S.R. College of Engineering, Tiruchengode on 8th 2012.
2. Presented a paper "**Generic Algorithm for Determining the Number of Cluster in Unknown Datasets**" in National Conference on Advanced Computing and Wireless Technology at Vidhyaa Vikas college of Engineering and Technology on 18th 2011.
3. Presented a paper "**Identifying Bug Signature Using Discriminative Graph Mining**" in National Conference on Computing Technology at Sengunthar Engineering College on 20th April 2010.
4. Presented a paper "**Double Security Using Bar**" in National Conference on Automation, Computing and Communication and Control system at Vivekanandha College of Engineering for Women on 1st & 2nd April 2010.
5. Presented a paper "**Optimization Techniques for Collision and Noise in RFID**" in National Conference on Automated control, computer and communications at Hindusthan College of Engineering and Technology on 25th & 26th March 2010.
6. Presented a paper "**Ant Colony Optimization Algorithm for Oversaturated Traffic Network Control**" in National Conference on Future of electrical and Instrumentation Technology ECLECTIC'09 at Vivekanandha College of Engineering for Womens on 9th April 2009.
7. Presented a paper "**Data Mining and Clustering with Ant Colony Optimization**" National Conference on Future of electrical and Instrumentation Technology ECLECTIC'09 at Vivekanandha College of Engineering for Women on 9th April 2009.
8. Presented a paper "**Implementation Infrastructure for Data Mining and Data Integration of Data on Grid**" National Conference on Signals, Systems and Security at Bannari Amman College of Institute of Technology on 24th & 25th Feb 2006.
9. Presented a paper "**Water Quality Assessment by Decision Tree Classification**" National Conference on It application for rural development and healthcare at Kongu Engineering College on 29th &.30th March 2006.

ONLINE COURSES

➢ Completed Database an online NPTEL course

SEMINARS ATTENDED

✓ Two day National Seminar on "Internet of Things and Embedded Systems" held at SRMIST, from 13.08.2022 to 18.08.2022.

- ✓ One day National Seminar on "Understanding of Program Outcomes" held at K.S.R. College of Engineering, Tiruchengode on 06.11.2019.
- ✓ One day National Seminar on "Women Entrepreneurship and Empowerment" held at K.S.R. College of Engineering, Tiruchengode on 26.08.2019.
- ✓ One day Seminar on "AWS cloud Program by ICTACT" at K.S.R. College of Engineering, on 26.03.2019.
- ✓ Two day Seminar on "CSIR sponsored seminar on research challenges and Investigations for betterment of social Interactions and communication skills for autistic children"at Kongu Engineering college, from 04.3.2019 to 5.3.2019.
- ✓ One day Seminar on "How to access e-resources" at K.S.R. College of Engineering, on 23.01.2018.
- ✓ One day Seminar on "Outcome Based Education" at K.S.R. College of Engineering, on 01.11.2018.
- ✓ One day Seminar on "Big data Analytics, Artificial Intelligence, Machine learning and Deep Learning" at K.S.R. College of Engineering, on 31.10.2018.
- ✓ ICMR sponsored National seminar on "Application of Biodegradable Materials for Tissue Engineering" at K.S.R. College of Engineering, on 06.07.2018.
- ✓ ICMR sponsored Two days National seminar on "Impact of Green Computing for Minimizing E-Waste on Human Health" at K.S.R. College of Engineering, from 03.07.2018 to 04.07.2018.
- ✓ Professionals Skill Development Cell Seminar on "Role of DST in promoting S&T Ecosystem in India Avenges & Opportunities", at K.S.R. College of Technology, on 18th November 2017.
- ✓ CSIR Sponsored National Seminar on "*A Wireless Sensor Network for the Surveillance of Nuclear Radiation*" at K.S.R. College of Engineering, Tiruchengode, 18th and 19th 2012.
- ✓ DIT sponsored national seminar on "*Cyber Security challenges and role of Intelligence*" at K.S.R. College of Engineering, Tiruchengode, on 14th and 15th Sep 2012.
- ✓ Two days National Seminar on "*Pattern Recognition for Medical Imaging*" at K.S.R. College of Technology, on 25th &26th March 2010.
- ✓ CSIR Sponsored National Seminar on "*Object Oriented Analysis and Design with UML (Rational Suite)*" at Hinduthan College of Engineering, Tiruchengode, 25th and 26th Sep 2009.
- ✓ DIT sponsored national seminar on "*Artificial Neural Network*" at Kongu Engineering College, Perundurai, on 19th and 20th Sep 2008.
- ✓ Two days Seminar on "*Pattern Recognition*" at Periyar University, Tiruchengode, 20th & 21st Oct 2008.
- ✓ AICTE sponsored National Seminar on "*Mobile Agent Application*" at K.S.R. College of Engineering, Tiruchengode, on 7th & 8th July 2007.

WORKSHOP ATTENDED

- One day National level Workshop on "*Python 101 for Data Science*" held at Cognitive Class on 09th Jan 2020.
- One day Workshop on "Introduction to Cyber security" held at Cisco Networking Academy, Sona College of Technology on 4th Dec 2019
- One day National level Workshop on "J Gate an Electronic Gateway for Research" held at K.S.R. College of Engineering, Tiruchengode on 10th July 2019.
- One day National level Workshop on "AWS cloud Program by ICTACT" held at K.S.R. College of Engineering, Tiruchengode on 23th March 2019.
- Four days NITTTTR Workshop on "Problem Based Learning" held at K.S.R. College of Engineering, Tiruchengode on 11.02.2019 to 15.02.2019.
- One day National level Workshop on "Outcome Based Education" held at K.S.R. College of Engineering, Tiruchengode on 01.11.2018.
- One day National level Workshop on "Role of DST in promoting S&T ecosystem in India,avenues & opportunities" held at K.S.R. College of Engineering, Tiruchengode on 18.11.2017
- One day National level Workshop on "*Research Issues in Image Processing*" held at K.S.Rangasamy College of Technology, Tiruchengode on 5th January 2013.
- One day National level Workshop on "*Blooms Taxonomy and Its Assessments*" held at K.S.R. College of Engineering, Tiruchengode on 20th March 2012.
- One day International Workshop on "*A Quest for Journal and Thesis Writing*" held at Nandha Engineering College, Perundurai on 6th Jul 2012.
- One day National Workshop on "*Advanced Digital and Signal Processing*" held at K.S.R. College of Engineering, Tiruchengode on Feb 3rd 2009.
- One day National Workshop on "*Virtual Private Network*" held at K.S.R. College of Engineering, Tiruchengode sponsored by CSI on Jan 3rd 2009.
- Two day National Workshop on "*Research Methodology Application of Research Tools and Techniques*" held at Karpagam College of Engineering on 11th & 12th Feb 2009
- One day National Workshop on "*QUALNET*" held at K.S.R. College of Engineering, Tiruchengode on 24th Mar 2009.
- One day National Workshop on "*Cloud Computing and its Research Applications*" at K.S.R. College of Engineering, Tiruchengode on 28th Jan 2011.
- Three days' Workshop on "Hardware and Networking" at K.S.R. College of Engineering, Tiruchengode on 23rd to 25th Aug 2011.
- Two day National Workshop on "*Neural Networks for Image Processing*" held at Anna University Coimbatore on 30th & 31th Jan 2009.

- Two day National Workshop on "*Data Mining Tools and Languages*" held at Sona College of Technology on 28th & 39th Mar 2011

- One day National Workshop on "*Cloud Computing and its Research Applications*" at K.S.R. College of Engineering, Tiruchengode on 28th Jan 2011

- One day National Workshop on "*Image processing with MATLAB*" at K.S.R. College of Engineering, Tiruchengode on 30th Sep 2008.

FACULTY DEVELOPEMENT PROGRAMME ATTENDED

- ✓ Online five days FDP on "Advanced Tools and Techniques for best research",conducted by RV Institute of Technology and Management,from 26-09-2022 to 30-09-2022

- ✓ One-week online FDP on "Data Science using R" conducted by ICT Academy on 08 Mar 2021 to 12 Mar 2021

- ✓ AICTE Training And Learning (ATAL) Academy Online FDP on " Internet of Things (IOT)" at K.S.Rangasamy College of Technology, from 01.02.2021 to 05.02.2021.

- ✓ AICTE Training And Learning (ATAL) Academy Online FDP on "Block Chain" at Excel College of Technology, from 18.1.2021 to 22.01.2021.

- ✓ AICTE Training And Learning (ATAL) Academy Online FDP on "Quantum Computing" at K.S.Rangasamy College of Technology, from 4.1.2021 to 08.01.2021.

- ✓ AICTE Training And Learning (ATAL) Academy Online FDP on "Block Chain & Artificial Intelligence– Towards The Next Big Technological Revolution" at K.S.Rangasamy College of Technology, from 14.12.2020 to 19.12.2020.

- ✓ Two week FDP on "Machine Learning using Python and Data Analytics using Hadoop" at Erode Sengunthar Engineering College, from 16.12.2019 to 27.12.2019.

- ✓ Two week FDP on "Design and Development of Software Defined Networks" at Sona College of Technology, from 18.11.2019 to 30.11.2019.

- ✓ One week FDP on "Problem Based Learning by NITTTR" at K.S.R. College of Engineering, from 11.02.2019 to 15.02.2019.

- ✓ One week AICTE sponsored National seminar on "Cloud Infrastructure &Services and Blockchain Technology" at Bannari Amman Institute of Technology, from 04.02.2019 to 09.02.2019.

- ✓ Two days FDP on *"Introduction to PHP Programming",* held at K.S.R. Institute for Engineering and Technology, Tiruchengode, collaboration with ICTACT on 27th Sep to28th 2018.

- ✓ One week FDP on *"IT6602-Software Architectures",* held at K.S.R. College of Engineering, Tiruchengode, collaboration with Centre for Faculty Development Anna University on 2nd Dec to 8th Dec 2015.

- ✓ One week FDP on *"Hadoop (Hortonworks)",* held at K.S.R. College of Engineering, Tiruchengode, collaboration with ICTACT on 20th Oct to 31st Oct 2015.

- ✓ Two Week ISTE STTP on "*Introduction to Design of Algorithms*" held at K.S.Rangasamy College of Technology in collaboration with IIT Khagrapur, sponsored by NMEICT of MHRD, Govt. of India on 25th May to 30 May 2015.

- ✓ Two week Short Term Course on "*Research Initiatives in Data Mining for Web Intelligence*" held at K.S.R. College of Engineering, Tiruchengode, sponsored by AICTE on 22nd June to 03rd July 2012.

- ✓ One week SDP on "*Linux Secrets*" held at MES college of Engineering, Kuttippuram, sponsored by Indian Society of Technical Education, New Delhi, on 20th Aug To 24th Aug 2007.

- ✓ Two days Short Term Course on "*Mathematical Aspect of computer science*", held at K.S. Rangasamy College of Technology, Tiruchengode, sponsored by Indian Association for Research Computing Science, on 22nd Sep and 23rd Sep 2006.

- ✓ One week QIP Training Programme on **"*Instrumental design and delivery*"**, held at K.S.R. College of Engineering, Tiruchengode, sponsored by NITTTR (Chennai), on 19th Jun to 24th Jun 2006.

RESOURCE PERSON (IN & OTHER COLLEGE)

1. Acted as Session chair in International Conference on Computational Methods and Data Science (ICCMDE 2021) organized by School of Computer Science and Engineering, Vellore Institute of Technology, Vellore, Tamil Nadu, India, during 25th & 26th, November 2021.

2. Acted as Resource person for workshop on "Introduction to Internet", K.S.R. College of Engineering on 17.07.2018.

3. Acted as Resource person "Second International conference on advances & challenges in interdisciplinary engineering and management", Vidhya Vikas College of Engineering on 19.03.2018 & 20.03.2018.

4. Acted as Resource person for Seven Days Faculty Training programme on *"Knowledge Management"*, Vidhya Vikas College of Engineering on 05.12.2017.

5. Acted as Resource person for Seven Days Faculty Training programme on *"Theory of Computation"*, K.S.R. College of Engineering on 06.06.2015 to 12.06.2015.

6. Acted as Resource person for seminar on *"A bridge of education system to software world"*, K.S.R. College of Engineering on 23.01.2015.

7. Acted as Resource person for Seven Days Faculty Training programme on *"Design and Analysis of Algorithms"*, K.S.R. College of Engineering on 08.12.2014 to 14.12.2014.

8. Acted as Resource person for Seminar on *"Emerging Trends in IT and Interpersonal skills"*, Vivekanandha College of Technology for womens on 24.09.2014.

9. Acted as Resource person for Seminar on *"Wireless Sensor Networks"*, Excel Engineering College on 08.03.2013.

10. Acted as Resource person for Symposium on *"A National Level Technical Symposium"*, K.S. Rangasamy College of Technology for womens on 26.09.2011.

11. Acted as Resource person for Symposium on *"KANINI FEST'10"*, Erode Sengunthur Engineering College on 28.12.2010.

SUBJECTS HANDLED

- ✓ Mobile and Pervasive Computing
- ✓ Data Structure
- ✓ Internet of Thing
- ✓ Software project Management
- ✓ Mobile computing and IOT
- ✓ Theory of Computation
- ✓ Cryptography and Network Security
- ✓ Computer architecture and organization
- ✓ Advance Java Programming
- ✓ Operating systems
- ✓ Software Engineering and Methodologies
- ✓ Wireless Sensor Network
- ✓ Object Oriented Analysis and Design
- ✓ Data Mining and Data ware housing
- ✓ Advanced System Software
- ✓ Fundamentals of Computing and Programming
- ✓ Formal Language and Finite Automata
- ✓ Computer Networks
- ✓ Network Programming and Management
- ✓ Database Technology
- ✓ Advances Database Management
- ✓ Adhoc and Sensor Network
- ✓ Embedded System
- ✓ Network Management
- ✓ Computer Programming and Problem Solving

APPRECIATION

- Faculty Skill Developemnt Award from K.S.R. College of Engineering (2022)
- Best Mentor 2022
- Produced **100% results** in the Anna University examinations and received certificate and cash award
    - ✓ Cryptography and Network Security – 7th Semester / B.Tech IT
    - ✓ Theory of Computation - 5th Semester / B.Tech -IT
    - ✓ IOT and mobile computing - 6th semester// B.Tech -IT
    - ✓ Mobile Computing – 7th Semester / B.Tech IT
    - ✓ Operating System - 4th Semester / B.E - CSE

- ✓ Software Engineering and Methodologies - 4th Semester / B.E -CSE (Twice)
- ✓ Object Oriented Analysis And Design -6th Semester / B.Tech -IT
- ✓ Data Mining and Data ware housing - 7th Semester / B.Tech IT
- ✓ Network Management- - 8th Semester / B.Tech IT
- ✓ Advances Database Management - 2th Semester / M.Tech -IT
- ✓ Advanced System Software - 2th Semester / M.Tech -IT

MEMBERSHIP

- ➢ **Life member of the ISTE Life member in ISTE (LM 74406) since 2011.**
- ➢ **IAAC**

PERSONAL DETAILS

Name	:	S.NITHYAKALYANI
Date of Birth	:	20.10.1982
Father's Name	:T.SELVARAJAN	
Gender	:Female	
Marital Status	:Married	
Languages Known	:	Tamil, English
Permanent Address	:	Door No: 9, 12th Ward
		Kullamuthu Gurunatha Mudali Street
		Tharamangalam, Salem- 636502
Official Address	**:** Dr.S.Nithyakalyani	
		Professor
		Department of Information Technology
		K.S.R College of Engineering (Autonomous)
		Tiruchengode, Namakkal-637215
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SIGNATURE