


Name & Photo	<div>  </div> Dr.R.VALARMATHI		
Designation	Associate Professor		
Qualification	<ul style="list-style-type: none"> • B.E (CSE) at SRM Engineering College, Madras University -1999 • M.E(CSE) at Sathyabama University – 2010 • Ph.D. Sathyabama Institute of Science and Technology 2020, <ul style="list-style-type: none"> ◦ Title: Novel Scheduling Algorithms for Parallel Workloads in Cloud 		
Area of Specialization	Cloud Computing, Machine Learning, Computer Vision, Deep Learning		
Experience	Teaching Total : 23 Years UG with 10 Years PG with 13 Years		
	Industry : Nil		
Publication	Journal Conference Books : 04 Book Chapter : 04	International : 35 International : 17	National : 02 National: 11
Research Guidance:	NIL		
Professional Society Membership	<ul style="list-style-type: none"> • Life Member, Indian Society for Technical Education(LM 131577) • Life Member, International Association for Engineers (IAENG) • Life Member ,International Association of Computer Science and Information Technology(IACSIT) • IEEE Membership(98092345) 		

Staff Achievements:	<ul style="list-style-type: none"> • Published 4 Books and 4 Book Chapters. • Published 3 SCI/WOS/Scopus indexed journals. • Published 24 Scopus Indexed Journals • Filed 3 Patents • Reviewer in IEEE conference • Completed all 8 modules in NITTT.
Funding Received	<ul style="list-style-type: none"> • Funding of \$1000 received from IEEE Pre University STEM Portal Grant for Mobile App Development • Received Rs.7500 for TNSCST Project- BCI auxilior for the hearing for the hearing and speech impaired populous
Programs Organised	<ul style="list-style-type: none"> • Conducted 2 days FDP on Cloud Computing and Big Data in 2014 • Conducted Anna University Sponsored FDTP-GE8151-Problem Solving and Python Programming in 2018 • Conducted AICTE Sponsored FDP on Data Science and Exploratory Data Analysis With R and Python in 2019 • Conducted Five Days FDP on Open Source Tools for Data Analytics in 2021 • Conducted a National Conference on Smart Innovations in Communications and Computing (NCSICC'19)
General	<ul style="list-style-type: none"> • Session Chair & Reviewer for the Second International Conference on Smart Innovations in Communications and Computing(NCSICC-2021) at Sri Sairam Engineering College ,held on 24th March 2021 • Session Chair for “2nd International Conference on Advanced Computing and Communication Technology”, Jointly organized by Francis Xavier Engineering College & IFERP, 19th & 20th May 2022 • Session Chair for “2nd International Conference on Research Trends in Engineering & Management (ICRTEM-2022)” Organized by R R Institute of Technology, Bengaluru, India held on 25th & 26th August 2022. • Acted as resource person in AICTE Sponsored FDP on Data Science and Exploratory Data Analysis With R and Python in 2019 • Acted as Resource person in a Seminar cum Hands-on-Training on Exploratory Data Analysis using Python in Agni College of Technology on 9/3/23 • Interview Panel Member for Sri Sairam polytechnic in CSE Department • DC Member at SRM Institute of Science and Technology • Jury member for Smart india Hackathon 2020

Department Level Contribution

- Acted as Time Table Coordinator
- Acted as Symposium Coordinator
- Acted as Co-Convenor for International Conference on Computational Science ICCST'17 for CSE department

- Acted as NAAC Criteria 4 In-charge for the Department
- Acting as NBA Criteria 9 In-charge for the department .
- Acting as BOS member
- Acting as PAC Incharge
- Acted as Autonomous Coordinator
- Acted as Alumni Coordinator for the Department
- Acting as Chief Mentor for the Department
- Acting as NIRF Coordinator for the Department
- Taken part in setting Question papers for Anna University exams
- Team Mentor for Chattra Vishwakarma Award –Participated upto Regional Level
- SCOPE(Executor) member in department level
- R&D Innovator- Research collaboration
- Project Coordinator
- Mini Project Coordinator
- Accompanied the students for Industrial Visit
- Attended more than 10 ATAL FDP

College level Committee

- VIP Hospitality Committee in 18th Graduation Ceremony 2017
- Juries Guest Care in dr.APJ Abdul Kalam Innovation Eco System and Youth Summit(8/4/2017 and 9/4/17)
- Feedback Analysis Committee in SAITECH S2T(School towards Technology) in association with TNSCST-Technology Dissemination and Awareness-for High School and Hr School Students on 2.11.2019
- Jury in D2D-Diploma 2 Degree Skill Enhancement Program for Diploma Engineers on 15.02.2019
- Discipline Committee in College Day and Cultural -Sai Carnival 2019 on 16.3.2019.
- Printing(Banners,Invitations and Certificates) in Annual Sports Day on 6.3.2019.
- SCOPE(Organiser) member in Game Development Club
- SCOPE(Organiser) member In NAAC Criteria 7-College level

Books Published

- Published a Book "Programming in Java", ISBN 978-93-90548-36-1
- Published a Book “Operating Systems”, ISBN :9798390316788
- Published a Book “Data Warehousing and Data Mining”, ISBN :9798390316290
- Published a Book “Artificial Intelligence” ISBN 9798361887200

Book Chapter Details

- Published a Chapter titled , "**EMPLOYEE TURNOVER PREDICTION USING SINGLE VOTING MODEL**", in Applied Learning Algorithms for Intelligent IoT, CRC Press, Taylor and Francis group. ISBN: 978-1-003-11983-8 (ebk) DOI: 10.1201/9781003119838.(**Scopus Indexed**)
- Published a Chapter titled "Consistent Application of Capacitive Touch Infrastructure in Wireless Reloadable Sensor Networks", Dipti Press(OPC) Pvt. Ltd, ISBN:978-81-952585-3-6.
- Published a Book Chapter, "Hybrid Cloud Computing", in Emerging Technologies in Engineering Research, Technical research Publications.ISBN:978-93-5419-211-1 (Online), December 2020
- Published a Book Chapter, “Innovative System Using remote Sensor Interface for Commercial Transport of Goods” ISBN: 978-93-94639-07-2

Papers published in the SCI/WOS/Scopus

1. Published a paper titled, 'A Novel Hierarchical Scheduling Method for Managing Parallel Workloads in Cloud in 'Global Journal of Pure and Applied Mathematics',ISSN 0973-1768 Volume 12, Number 2 (2016), pp. 1647-1662(**SCOPUS INDEXED JOURNAL**)
2. Published a paper titled , 'Job Migration for Saving Optimizing in Cloud Data Center (Iaas)', International Journal of Control Theory and Appl ,Vol.9,No.5 (2016) , 2016,ISSN:0974-5572 pp. 2843-2849(**SCOPUS INDEXED JOURNAL**)
3. Published a paper titled, Ranging and tuning based particle swarm optimization with bat algorithm for task scheduling in cloud computing **Cluster Computing The Journal of Networks, Software Tools and Applications** <https://doi.org/10.1007/s10586-017-1534-8>,Published on :28 December 2017 Impact Factor:2.040(**SCI/Web Of Science/Scopus Indexed**)
4. Published a paper titled,“A comprehensive survey on parallel workloads Using Particle Swarm Optimisation In Cloud Environment” Second International Conference on Computing and Communications Technologies - ICCCT’17 which will be held on 23/02/17 & 24/02/17 @ Dept of IT, Sri Sairam Engineering College. DOI: [10.1109/ICCCT2.2017.7972253](https://doi.org/10.1109/ICCCT2.2017.7972253)(**Scopus Indexed**)
5. Published a Paper Titled , "Intelligent Crash Detection and Emergency communication system for Two Wheelers", International Conference on Communication, Computing and Internet of Things (IC3IoT), Feb 2018, DOI: [10.1109/IC3IoT.2018.8668180](https://doi.org/10.1109/IC3IoT.2018.8668180) (**Scopus-Indexed**).
6. Rayasam Lakshmi Satya, R. B. Divya ,**R. Valarmathi**, "Analysis of sentiment in twitter using logistic regression" International Journal of Engineering and Technology-7 (2.33) (2018) 619-621 DOI:[10.14419/ijet.v7i2.33.14849](https://doi.org/10.14419/ijet.v7i2.33.14849)(**Scopus-Indexed**).
7. R.Uma, **R. Valarmathi** ,B.Latha,” Query Expansion For Medical Domain To Augment The Web Search”, International Journal of Engineering and Advanced Technology (IJEAT),”, Volume 9,Issue 1,pp. 5284-5287,2019(**Scopus-Indexed**).
8. **R Valarmathi**, T Sheela,”RFM-PSO -RFM Score based PSO Task Scheduling in Cloud”, International Journal of Innovative Technology and Exploring Engineering (IJITEE),Volume 8,Issue 6S,pp.25-29.April 2019. (**Scopus-Indexed**).

9. **R Valarmathi**, T Sheela, "Differed service broker scheduling for data centres in cloud environment", Computer Communications 146, pp.186-191,Oct 2019.(**SCI/Web of Science/Scopus-Indexed**)
10. Published a paper Titled," **PD Pattern Recognition on Transmission Lines using Tree-Based Models**", IEEE International Conference on Power, Energy, Control and Transmission Systems (ICPECTS),December 2020(**Scopus-Indexed**).
11. Published a paper Titled," **Real Time Path Planning using Intelligent Transportation System for Hybrid VANET**", IEEE International Conference on Power, Energy, Control and Transmission Systems (ICPECTS),December 2020. (**Scopus-Indexed**).
12. Published a Paper Titled," **Artificial Neural Network for Rainfall Analysis Using Deep Learning Techniques**", Journal of Physics: Conference Series 1964 (4), 042022, July 2021. (**Scopus-Indexed**).
13. Published a Paper Titled," **Network Simulation Software Architecture of Blockchain: A Model-Led Viewpoint**", Journal of Physics: Conference Series 1964 (7), 072011, July 2021. (**Scopus-Indexed**).
14. Published a Paper Titled," **Heart disease prediction using hyper parameter optimization (HPO) tuning**", Biomedical Signal Processing and Control 70, 103033,September 2021.(**SCI/Web of Science/Scopus-Indexed**)
15. Ramkumar, P., Anitha Ruth, J., Uma, **R., Valarmathi, R., Venkatesh, D.**,"Detection of Disease of Tomato Plant Based on Convolution Neural Network",**Proceedings of the 2021 4th International Conference on Computing and Communications Technologies, ICCCT 2021, 2021, pp. 262–266**
16. R Uma, P Ramkumar, JA Ruth, **R Valarmathi**,"Genome-wide autism prediction",AIP Conference Proceedings 2464 (1), 060008,May 2022(**Scopus-Indexed**)
17. D Venkatesh, **R Valarmathi**, R Uma,"An LSTM-based approach for predicting idiopathic pulmonary fibrosis progression", AIP Conference Proceedings 2464 (1), 060009,May 2022(**Scopus-Indexed**)
18. B Humrutha, K Latha, **R Valarmathi**, R Uma,"Smart Break-in-Prevention System With Face Recognition",2022 International Conference on Communication, Computing and Internet of Things (IC3IoT), March 2022(**Scopus-Indexed**)
19. R Uma, A Devi, A Imayavathi, **R Valarmathi** ,"Meticulous Deep Learning Evolved Drowse Orchestrate Emotionless Community sleep Apnea", 2022 International Conference on Communication, Computing and Internet of Things (IC3IoT), March 2022(**Scopus-Indexed**)
20. S Sangeetha, R Uma, **R Valarmathi**,"Dyslexia Biomarker Detection Using Machine Learning", 2022 International Conference on Communication, Computing and Internet of Things (IC3IoT), March 2022(**Scopus-Indexed**)
21. **R Valarmathi**, R Uma, C Brinda, R Vashika,"Facial Detection Attendance System using LBPH and KNN",2022 International Conference on Communication, Computing and Internet of Things (IC3IoT), March 2022 (**Scopus-Indexed**)
22. R Uma, P Ramkumar, JA Ruth, **R Valarmathi**, "**Genome-wide autism prediction**", AIP Conference Proceedings 2464 (1), 060008,2022 (**Scopus-Indexed**)
23. D Venkatesh, **R Valarmathi**, R Uma, "**An LSTM-based approach for predicting idiopathic pulmonary fibrosis progression**", AIP Conference Proceedings 2464 (1), 060009, 2022(**Scopus-Indexed**)
24. **Valarmathi, R.**, Brindha, G., Nandakumar, S.D., Juliet, P.S., "Design and development of

- driver's driving pattern analysis for automatic license issuing system”,AIP Conference Proceedings, 2022, 2519, 030021
25. Karthikeyan, P., Paul Nishanth, R., **Valarmathi, R.**,” Crop Field Protection from Animals Using Convolutional Neural Networks”,2022 1st International Conference on Computational Science and Technology, ICCST 2022 - Proceedings, 2022, pp. 255–257
 26. Uma, R., Ramkumar, P., Anith Ruth, J., Valarmathi, R., Devi, M.S.,” Prediction of Lung Cancer using Data Mining Techniques,” 3rd International Conference on Smart Electronics and Communication, ICOSEC 2022 - Proceedings, 2022, pp. 975–977
 27. Published a paper,” ATM Fraud Detection Using Human Activity Recognition”, 2022 1st International Conference on Computational Science and Technology, ICCST 2022 - Proceedings, 2022, pp. 255–257
 28. Juliet, P.S., Raman, A., **Valarmathi, R.**, Brindha, G., “Dynamic Transmit Awake Feature based Forwarder Election in Mobile WSN”,Proceedings - 5th International Conference on Smart Systems and Inventive Technology, ICSSIT 2023, 2023, pp. 624–628

Papers published in UGC Journal

1. **Valarmathi R** , Suresh Anand M, Venkatesh T, Jayaprakash S,” **Sign-Vein Authentication System For The Speech And Hearing Impaired Using CNN**”, Journal of Emerging Technologies and Innovative Research,Volume 6,Issue 5,pp.215-218,May 2019(**UGC Journal**)
2. Rayasam Lakshmi Satya, Divya R B, Gajapriya L, **Valarmathi. R**, Rohit Krishnan.S,” **Frenziend Handler**”, International Journal of Research and Analytical Reviews (IJRAR), Volume 6,Issue 3,pp.65-69,July 2019(**UGC Journal**)
3. **Valarmathi R** , Nivetha A , Pooja V , Pratheebha N , Kaushik V, ”**Digital Certificate Substantiator**”, Studies in Indian Place Names, Vol 40 issue 3 (s1) February 2020(**UGC Journal**).
4. Published a Paper Titled," SMART SHOPPING SYSTEM USING AUGMENTED REALITY AND GAZE TRACKING",Journal of the Gujarat Research Soceity, ISSN: 0374-8588,Volume 21 Issue 17, December 2019, (**UGC Journal**).

Papers published in National Journal / Inter National Journal

1. Published a paper titled “**Content extraction after eliminating noisy information in web pages with web crawler**” in the SSEC Tech Journal, ISSN: 0975-2846, Vol.9,pp.100-113,2011.
2. Published a paper titled ,“Biometric Skeletonized Signature Authentication Using Thermal Images”, International Journal of Mechanical and Production Engineering”, ISSN:2320-2092 Volume-1,Issue-5,Nov 2013, DOI Number - IJMPE-IRAJ-DOI-392
3. N.Arvind, S.Siddharth Seshadri, **R.Valarmathi**, R.Uma, “Agent-based handling of parallel jobs in cloud”, Australian Journal of Basic and Applied Sciences, 11(13) October 2017, Pages: 117-123
4. M.Padmapriya, P.Jayaselvi, **R.Valarmathi**, “A Cooperative Dual message Authentication and Group key Management in VANET”,International journal of pure and Applied Mathematics, Volume 118 No. 18 2018, 3721-3728 ,Feb 2018

5. Akshay Kumar K, Praveen Sundaram N, R.Valarmathi, "Determining the Cyber Security Risks and Mitigation of those Vulnerabilities of Traffic Light Systems", International Journal of Advances in Electronics and Computer Science (IJAECs)-IJAECs, Volume 6, Issue 1, pp 58-61, April 2019.
6. **R. Valarmathi** and T. Sheela, " **Application of Particle Swarm Optimisation-R Factor Optimisation Algorithm for Efficient Resource Allocation and Scheduling in Cloud Environment**" J. Comput. Theor. Nanosci. Volume 17, Number 4, April 2020, pp. 1990-1998(9) **.Publisher:** American Scientific Publishers **DOI:** <https://doi.org/10.1166/jctn.2020.8478>
7. P.Ramkumar, R.Uma, **R.Valarmathi** , " **Smart Water Irrigation System using IoT**", Journal of Contemporary Issues in Business and Government 27 (3), 1826-1833, April 2021
8. Lakshmi Satya Rayasam ,Divya R.B, Gajapriya L ,**R Valarmathi**, R.Uma, " **Flood Susceptibility Prediction using LSTM Algorithm**, " Journal of Contemporary Issues in Business and Government 27 (3), 1957-1963, April 2021

Papers Presented in the National/International Conferences

1. Presented a Paper titled "Content Extraction after Eliminating Noisy Information in Web Pages with Web Crawler "in National Conference on Data mining and Distributed Applications conducted by Sathyabama University" held on September 2011
2. Published a paper titled, "Detecting and filtering false injected data in wireless sensor networks", National Conference on Emerging issues in computer applications for modernization in IT, conducted by KSR college of engineering, Tiruchengode held on 16/02/2013
3. Published a paper titled "Biometric Skeletonized Signature Authentication Using Thermal Images", Proceedings of IRAJ International Conference, 20th October 2013, Chennai, India. ISBN: 978-93-82702-34-4
4. Published a paper titled "Maximizing Profit of Cloud Provider and Resource Allocation in Hybrid IaaS Clouds", Proceedings of International Conference on Advancements in Computing and Communication Technologies(ICACCT'15)
5. Published a paper titled, 'Job Allocation Of Saving Energy For CPU utilization In Cloud Data Center (IaaS)", Proceedings on 4th National Conference on Innovation in Computing and Communication Technology", Kongunadu College of Engineering and Technology"
6. Presented a paper titled "JOB MIGRATION FOR SAVING OPTIMIZING IN CLOUD DATA CENTER (IaaS)" on International Conference on Futuristic Engineering , Science and Technology", (ICFEST 2016) in Agni College of Technology on 6th and 7th May 2016.
7. R.Valarmathi, Dr.T.Sheela , "A Comprehensive survey on parallel workloads Using Particle Swarm Optimization In Cloud Environment" Second International Conference on Computing and Communications Technologies - ICCCT'17 which will be held on 23/02/17 & 24/02/17 @ Dept of IT, Sri Sairam Engineering College. DOI: [10.1109/ICCCT2.2017.7972253](https://doi.org/10.1109/ICCCT2.2017.7972253)(Scopus Indexed)
8. P. Jaya Surya, R.Valarmathi , "Ant Colony Optimization Based Coalition Formation For Resource Allocation In IaaS Environment", International conference on Computational

Science and Technology ,Conducted by Sri Sairam Engineering College on 9-3-17 and 10-3-17

9. R.Valarmathi ,S.Sangeetha, G.Karuthammal, “Load Balancing Approach for Scheduling Task using QPSO”, Proceedings of 8th National Conference on Recent Issues in Network Galaxy RING’17 4th April 2017 conducted by R.M.D Engineering College
10. P. Jaya Surya ,R.Valarmathi ,”Ant Colony Optimization Based Coalition Formation For Resource Allocation In IaaS Environment”, Proceedings of 8th National Conference on Recent Issues in Network Galaxy RING’17 4th April 2017 conducted by R.M.D Engineering College
11. M.Padma Priya ,P.Jayasselvi, and R.Valarmathi, ”A Cooperative Dual Message Authentication and Group key Management in VANET” proceeding of 1st National conference on Recent Advances in materials Science and Nanotechnology(RAMN-2017) at Academy of Maritime Education and Training (AMET) on 26-27th May 2017.ISBN:978-81-89843-85-4.PP-04
12. R.Valarmathi, Dr.T.Sheela, ”Coalition Formation using ANT colony optimization for allocation of Resources in cloud” Proceeding of 1st National conference on Recent Advances in materials Science and Nanotechnology(RAMN-2017) at Academy of Maritime Education and Training (AMET) on 26-27th May 2017.ISBN:978-81-89843- 85-4. PP-09
13. R.Valarmathi, Dr.T.Sheela, ”Gang Scheduling for Coalition formation of resources for Parallel Jobs in Cloud”, Proceeding of 1st National conference on Recent Advances in materials Science and Nanotechnology(RAMN-2017) at Academy of Maritime
14. Presented a paper titled, ”Real Time Smart Monitoring system for Farming” in ACE International Conference on Applied Science ,Engineering, Technology and Management-AICASETM’17 on 16.10.17 conducted by Alpha College of Engineering
15. Rayasam Lakshmi Satya, R.Kaviya, R.Valarmathi,’ Intelligent Crash detection and Emergency Communication system for Two Wheeler’ in International conference on communication, computing and Internet of Things (IC3 IoT’18) sponsored by IEEE Madras Section and IEEE Tamilnadu, India from 15th to 17th February 2018(**Scopus-Indexed**).
16. Saarah Saleem, A.Vidhyalakshmi, T.Revathi, R.Valarmathi, ’Dangerous Selfie:Effective Accident Avoidance Multizone Secured Implementation’ International conference on Innovative and Emerging Trends in Engineering and Technology(ICIETET’18) in Panimalar Institute of Technology , Tamilnadu, India from 9th and 10th March 2018.
17. Saarah Saleem, A.Vidhyalakshmi, T.Revathi, R.Valarmathi, ” Prevention Of Accidents Causing Selfie Using Location And Sound Analysation”, National Conference on Smart Innovations in Communications and Computing (NCSICC’18) – Organised by Dept of CSE,Sri SaiRam Engineering College chennai on 27th March 2018.
18. T.Venkatesh, S.Jayaprakash, R.Valarmathi, , ” Dactauth - Sign Based User Authentication System”, National Conference on Smart Innovations in Communications and Computing (NCSICC’18) – Organised by Dept of CSE,Sri SaiRam Engineering College Chennai on 27th March 2018.
19. S.Rohit Krishnan, B.P.Venkatesh , K.Naveen Kishore , R.Valarmathi, ”Frenzied Handler” , National Conference on Smart Innovations in Communications and Computing (NCSICC’18) – Organized by Dept of CSE, Sri Sairam Engineering College Chennai on 27th March 2018.

20. D.Venkatesh, Eyuwankg S Swankg, R.Valarmathi, R.Uma, "PD Pattern Recognition on Transmission Lines Using Tree-Based Models", IEEE international Conference on "Power, Energy, Control and Transmission Systems, held at Sri Sairam Engineering College Chennai on 10th and 11th, December 2020.
21. Ramkumar P, R.Uma, Usha.P, R.Valarmathi, "Real Time Path Planning Using Intelligent Transportation System for Hybrid VANET", held at Sri Sairam Engineering College Chennai on 10th and 11th, December 2020.
22. Rayasam Lakshmi Satya, Divya R B, Gajapriya L, Valarmathi. R, R.Uma," Flood Susceptibility Prediction using LSTM Algorithm", International Conference on advances in Computing Technologies(ICACT-2020) held at Raja Rajeswari Engineering College, Bangalore on 18th and 19th, June 2020.
23. R Uma, P Ramkumar, JA Ruth, **R Valarmathi**,"Genome-wide autism prediction",AIP Conference Proceedings 2464 (1), 060008,May 2022
24. D Venkatesh, **R Valarmathi**, R Uma,"An LSTM-based approach for predicting idiopathic pulmonary fibrosis progression", AIP Conference Proceedings 2464 (1), 060009,May 2022
25. B Humrutha, K Latha, **R Valarmathi**, R Uma,"Smart Break-in-Prevention System With Face Recognition",2022 International Conference on Communication, Computing and Internet of Things (IC3IoT), March 2022
26. R Uma, A Devi, A Imayavathi, **R Valarmathi** ,"Meticulous Deep Learning Evolved Drowse Orchestrate Emotionless Community sleep Apnea", 2022 International Conference on Communication, Computing and Internet of Things (IC3IoT), March 2022
27. S Sangeetha, R Uma, **R Valarmathi**,"Dyslexia Biomarker Detection Using Machine Learning", 2022 International Conference on Communication, Computing and Internet of Things (IC3IoT), March 2022
28. **R Valarmathi**, R Uma, C Brinda, R Vashika,"Facial Detection Attendance System using LBPH and KNN",2022 International Conference on Communication, Computing and Internet of Things (IC3IoT), March 2022)

Coursera Certificates

1. Database Design and Diagramming in Dia
2. Predict Employee Turnover with scikit-learn
3. Machine Learning: Clustering & Retrieval
4. Machine Learning for All
5. Computer Vision - Object Tracking with OpenCV and Python
6. Programming for Everybody (Getting Started with Python)
7. The Sustainable Development Goals – A global, trans disciplinary vision for the future
8. Text Retrieval and Search Engines
9. Introduction to Big Data
10. AI For Everyone

NITTT

- Completed Online Orientation Training Programme for Mentors organized from 5th to 9th July 2021 under National Initiative for Technical Teachers Training.

NPTEL Certificates

- Completed NPTEL "Programming,Data Structures and Algorithms Using C" with 83%(Top 5%)
- Completed NPTEL "Python for Data Science" with 76%
- Completed NPTEL "Data Analytics with Python" with 77%

Reviewer Details

Reviewer in

- The Journal of Supercomputing.
- Computer Communications
- Journal of Medical Systems
- Measurement: Sensors
- TPC Member during the International Conference on "International Conference On Computational Intelligence in Data Science 18 – 20 March 2021organized by the Department of Computer Science and Engineering at SSN College of Engineering

Patent Details

- Filed a Patent "Micro Lecture Learning System using Speech Recognition and Machine Learning" Appln No:202141038679,Published Date:26/8/21
- Filed a Patent "Embedded Wireless Sensor Based Sleep Monitoring System" Appln No:202141012136.Published Date:26.3.21
- Filed a Patent "IoT Based Energy Management System in Microgrid Using LORAWAN" Appln No:202141049030,Published Date:26/11/21

Awards

1. Excellence for Women in Academics Award presented by International Journal of MC Square Scientific Research organized in Jan 2021
2. Best Paper Award for the paper titled, "Machine Learning Architecture To Predict Server Performance", Presented in the 7th National Conference ICON' 22 on "Recent Trends in AI & Data Science" held on 28th April,2022
3. Received Best Book/Book Chapter award on Teachers day on 5th September 2022 at Sri Sairam Engineering College

Dr. R.Valarmathi