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| Name & Photo : Dr.M.NITHYA |  |
| Designation: | ASSOCIATE PROFESSOR |
| Qualification : | M.E(CSE),Ph.D |
| Area of Specialization : | Data Mining,Data Science ,Machine Learning, Privacy preserving data mining. |
| Experience : | Teaching : UG: 13.2YEARS PG : 2 YEARS |
| | Industry : NIL |
| General : | <ul style="list-style-type: none"> ● IEEE Member ● Life Member, Indian Society for Technical Education ● Life Member, International Association of Computer Science and Information Technology ● Life Member, International Association of Engineers member ● Received 100000 funds from DST-IEDC for “Linguitron “ project ● Received funds from TNSCST under -Student Project Scheme -2021-2022 for “Challenge Operating System”. |

Working Experience :

- 1.Worked as a lecturer at SMK Fomra Institute of Technology from Jan 2006 to April 2010
- 2.Working as Associate Professor in Sri Sairam Engineering college from June 2010 to Till Date.

Awards received :

- Received AICTE-Lilavati award 2020 under the self defense theme on 12.4.2021
- Received Teaching and research excellence Award in 2nd International Conference and Award Ceremony 2020. ,IRDP Group of journal on 12.12.2020
- Received Certificate of Reviewing from Elsevier-Computer communication journal -August 2019
- Received Certificate of appreciation and achievement from ESN publication for contributing a chapter and placed in ASIA book of records.
- "Most consistent and active mentor" from Atal Innovation Mission for the year

2020-21.

- Received Appreciation certificate from PALS (IIT)-INNOWAH-2021-for the faculty mentor of the project “Smart vision Touch Free Sanitizer Dispenser”
- Received Appreciation Certificate from IEEE for Volunteered as proctor to guide and oversee competing teams for the IEEEExtreme 15.0 programming competition that hosted +12,900 participants conducted on 23.10.2021
- Received Innovative Project Award” from Computer society of India(CSI),Kancheepuram Chapter Award Ceremony of 2022 on 30.3.2022.
- Received Appreciation certificate from PALS (IIT)-INNOWAH-2022-for the faculty mentor of the project “Value Added Smart & Mobile Waste Classifier with Thermo Rapid Composting

MEMBER

- Appointed as question paper scrutinizing board member in Anna University Distance education from December 2019.
- Acting as Member of PG- Board at Anna University-DCOE
- Appointed as question paper setter in Anna University Distance education from April 2019.
- Acting as a project Review panel member for MSC in Anna University Distance education from September-2020
- Acting as a DC Member in Sathyabama Institute of Science and technology
- Acting as a reviewer for various reputed Conferences(IEEE), Journals like Springer ,Elsevier

Resource Person

- Acted as a Session Chair for International Conference on Computational Physics in Emerging Technologies, Srinivas University, Mangaluru, Karnataka
- Delivered a speech titled ", pre-processing techniques in Data mining" in AICTE Sponsored FDP on “Data Science and Exploratory Data Analysis With R and Python “ Organized by Sri Sairam Engineering college, Chennai.
- Delivered a guest lecture on Programming Paradigm in Sri Sairam Institute of Technology.
- Resource Person for code club Train the Trainer -"KNIME Data Analytical Tools".
- Acted as a Session Chair for IEEE- International Conference on Computer Communication and Informatics (ICCCI), Jan. 25 – 27, 2022, Sri Shakthi Institute of Engineering & Technology,Coimbatore, INDIA

BOOK PUBLISHED:

- Published and Reviewed the book “Object Oriented Analysis and Design”SIA Publication

- Published a book chapter on the title of "Building an analytical organization" in Management Analytics and software Engineering,ESN publication, ISBN-978-81-950305-5-2, page no:119-126,Jan 2021
- Published a book chapter on the title of “ Leadership Styles of Indian Business Tycoons”“in Leadership theories and practices book ,Guru Publication,ISBN-978-955-41012-8-9 ,Page no:119,Nov-2020
- Published a book “Recent trends in Engineering and Technology”ISBN:978-819-714-989,Sai raj Printers.
- Developed the repurpose course material for MSC(CS) student-Anna University Distance education
- Published a Book on the title “R Programming Language “Notion Press,ISBN 9781684879618, Nov 2021,**Product ID:**247776-1359338- NA-NED- T0-BALA - REG- IND- DIY-021121-0

RESEARCH PAPERS PUBLISHED

Refereed International Journals

- **Nithya M** , Sheela T “Publishing Electronic Medical Record akin to Privacy” (PMID:30860982) published in Alternative Therapies in Health and Medicine [01 Jan 2019, 25(S1):8-15] (Annexure-I-Web Of Science)
- **Nithya M** & co Published paper titled ” Astute Remedy for Autism "Developing an Interactive Real Time Application Along With a Hardware Product to Help Youngsters With Autism" ICCPET 2020 Journal of Physics: Conference Series 1712 (2020) 012038 IOP Publishing doi:10.1088/1742-6596/1712/1/012038 (Scopus Indexed)
- **Nithya M** & co Published paper titled ” Prediction of Customer Purchase Intention Using Linear Support Vector Machine in Digital Marketing" ICCPET 2020 Journal of Physics: Conference Series 1712 (2020) 012024 IOP Publishing doi:10.1088/1742-6596/1712/1/012024 (Scopus Indexed)
- **Nithya M** & co Published paper titled ” Plant Leaf Disease Classification and Detection System Using Machine Learning" ICCPET 2020 Journal of Physics: Conference Series 1712 (2020) 012012,IOP Publishing,doi:10.1088/1742-6596/1712/1/012012)
- **Nithya M**, Vijayakumar K. Secured segmentation for ICD datasets. J Ambient Intell Human Comput (2020). <https://doi.org/10.1007/s12652-020-02009-8> (Annexure-I-web of science)
- **Nithya.M** , **Dr.Sheela.T**, ‘Predictive delimiter for multiple sensitive attribute publishing, published in Cluster Computing The Journal of Networks, Software Tools andApplications, ISSN: 1386-7857 (Print) 1573-7543(Online)-(Annexure-I, Web Of Science)
- **R.M. Gomathi, M. Nithya**,”Identification of Network Intrusion in Network Security by Enabling Antidote Selection”, Procedia Computer Science, Volume

- **Nithya M & co** ,”A Fusion approach aimed at Forecasting of Stock Price Exchange Using Supervised Machine Learning Algorithm” published in European Journal of Molecular & Clinical Medicine, 2020, Volume 7, Issue 11, Pages 2391-2398
- **M. Nithya & co**, "Study on Deep Cryogenic Treated-Tempered WC-CO insert in turning of AISI 1040 steel," 2019 International Conference on Computational Intelligence and Knowledge Economy (ICCIKE), Dubai, United Arab Emirates, 2019, pp. 660-663, doi: 10.1109/ICCIKE47802.2019.9004422.
- **Nithya.M , Dr.Sheela.T** , ‘Slicing+: An Efficient Privacy Preserving Data Publishing’, published in Indian Journal of Science and Technology, Vol 9(21), DOI: 10.17485/ijst/2016/v9i21/95142, ISSN (Print) : 0974-6846 ISSN (Online) : 0974-5645.
- M.Nithya,Dr.T.Sheela “CRYPTOHASHING: An efficient Privacy preserving data Publishing”, published in International Journal of Control Theory and Applications. Volume : No.9 (2016) Issue No. :28 (2016), Pages : 49-55(Annexure-II- SCOPUS)
- **Nithya.M , Dr.Sheela.T** ,”Relational Forecast Limiter Algorithm for ICD based EMRs” in International Journal of Engineering & Technology, 7 (3.34) (2018) 103-Annexure-II(Scopus indexed)
- **Nithya.M , Dr.Sheela.T** “Comparison on Recent Techniques in Data Publishing”,published in International Journal of Applied Engineering Research-ISSN 0973-4562 Vol.9-Annexure-II(Scopus indexed)
- **Nithya.M , Dr.Sheela.T** ,”A Comparative Study on Privacy Preserving Data mining Techniques” published in International Journal of Modern Engineering Research (IJMER)
- **Nithya M.** “Clustering Technique With Potter Stemmer And Hyper graph Algorithms for Multi- Featured Query Processing”, published in International Journal of Modern Engineering Research Vol.2, Issue.3, May-June 2012 pp-960-965 ISSN: 2249-6645
- **Nithya M & CO** “Block chain Based Transaction Management System” Published in Journal of Emerging Technologies and Innovative Research (JETIR) , May 2019, Volume 6, Issue 5
- **Arun Babu.R, Nithya.M** , ‘Finding Experts for knowledge sharing in Global Environment’, Published in International Journal of science and innovative engineering & Technology, May 2016, Issue Volume -1 ISBN 978-81-904760-8-9.
- **M.Nithya & co.** , “Shopping Experience by Emotion tracking technology” Published in International Journal of Research and Analytical Reviews, May 2019, Volume 6, Issue 2, (E-ISSN 2348-1269, P- ISSN 2349-5138)
- Nithya M & co ,”Facilitation of smart car assistant system using IoT”Published in art Intelligent Computing and Communication Technology, Advances in Parallel Computing, IOS Press,0927-5452(Scopus)
- Nithya M & co “An Educated Peer Discovery Expanding Blockchain Framework” Published

in journal of Physics: Conference Series,1964 (2021) 042091 (Scopus)

- Nithya M & co "Custom written sentiment analysis supported Twitter data" published in AIP Conference Proceedings **2464**, 060010 (2022); <https://doi.org/10.1063/5.0082440>(Scopus)
- Nithya M & Co published a paper titled with Finding Lost Child by Face Detection Using Machine Learning Algorithm in [Special Issue on Mathematics Theory and its Contribution in Robotics and Computer Engineering](#) (Vol. 71 No. 3s2 (2022))
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International Conference :

- Arun Babu.R, Nithya.M , 'Finding Experts for knowledge sharing in Global Environment', Proceedings on International Conference & Emerging Trends in Engineering & Technology, Panimalar Institute of Technology, 7th May 2016.
- Nithya.M , Dr.Sheela.T, "Slicing+,'An Efficient Privacy Preserving Data Publishing', Proceedings on International conference on Global congress on computing and media technologies,Sathyabama University,25th - 27th Nov 2015, pp.43.
- Nithya.M ,Dr. Sheela.T, "Privacy Preserving in data mining using WRAP –Ascribe algorithm" presented in International conference on Emerging Research in " computing,Information,Communication and Applications "ERCICA -2014,01-08.14&02.08.2014(Published in Elsevier),NITTE Meenakshi Institute of Technology.
- Divya, M.Nithya," Exclusive Technique For Stocking And Probing Data Table Integration Using The Internet", ISBN No.978-1-4799-3834-6/14/\$31.00©2014 IEEE IEEE-International Conference On Information Communication & Embedded Systems (ICICES 2014) at S.A Engineering College on 27&28th Feb-2014
- Nithya.M , Dr.Sheela.T," Comparison on Recent Techniques in Data Publishing" presented in International conference on Pattern recognition and Multimedia Signal Processing at Annamalai University on 9th and 10th of January 2015.
- M. Nithya, K. N. R and M. K, "E MONITOR - EB-Charge Monitoring System Using IoT," 2020,IEEE International Conference on Power, Energy, Control and Transmission Systems (ICPECTS) ,Chennai ,India ,2020 ,pp.1-5, doi:10.1109/ICPECTS49113.2020.9336969.(IEEE Digital lib, Scopus indexed)

National conference:

- M.Nithya," A Comparative study on privacy preserving data mining", presented in National conference on Web Technology at Sri Sai Ram Engineering college on 6/2/2013
- M.Nithya & co.. , "Gas leakage detection and gas level monitoring system" presented in national conference on Smart innovation in communications and computing(NCSICC'19) at Sri Sai Ram Engineering college on 5th march 2019
- M.Nithya &co.. , "Location by Face Detection Using Machine Learning Algorithm" presented in national conference on Smart innovation in communications and

computing(NCSICC'19) at Sri Sai Ram Engineering college on 5th march 2019

- M.Nithya & co.. , “Transaction settlement system using block chain” presented in national conference on Smart innovation in communications and computing (NCSICC'19)at Sri Sai Ram Engineering college on 5th march 2019
- M.Nithya & co.. , “Shopping Experience by Emotion tracking technology” presented in national conference on Smart innovation in communications and computing (NCSICC'19)at Sri Sai Ram Engineering college on 27th march 2018
- M.Nithya & co.. , “Facial Recognition using Multi sensor Image based on Localized Kernel Eigen Spaces “presented in 2nd National conference Signal & Image Processing(NCSIP'10) at SMK Fomra Institute of technology on 9th ,10th April - 2010
- M.Nithya & co., “A Hybrid Approach For Prediction Of Stock Arcade Price Index By Using Different Machine Learning Algorithm”, International Conference on Computational Physics in Emerging Technologies, Srinivas University, Mangaluru, Karnataka,Sep-2020
- M.Nithya & co., “Plant Leaf Disease Classification and Detection System using Machine Learning” International Conference on Computational Physics in Emerging Technologies, Srinivas University, Mangaluru, Karnataka.Sep-2020
- M.Nithya & co., “Astute Remedy For Autism “Developing An Interactive Real Time Application Along With A Hardware Product To Help Youngsters With Autism” International Conference on Computational Physics in Emerging Technologies, Srinivas University, Mangaluru, Karnataka.Sep-2020
- M.Nithya & co ,presented a paper on ”Facilitation of smart car assistant system using IoT” in International Conference For Pheonixes On Emerging Current Trends In Engineering And Management ,Panimalar Engineering College,Chennai on 26.03.2021,27.03.2021
- M.Nithya & co ,presented a paper on “A Machine Learning Model for accurate Cardiopulmonary Resuscitation Chest Compression Feature Extraction” in 2021 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE), 4th -5th December, 2021, Bhubaneswar, India on 04.12.2021 & 05.12.2021
- M.Nithya & co ,presented a paper on ”NS’s SECURE FRAMEWORK FOR HEALTHCARE” ,IEEE- International Conference on Computer Communication and Informatics (ICCCI), Jan. 25 – 27, 2022, Sri Shakthi Institute of Engineering & Technology,Coimbatore, INDIA
- M.Nithya & co ,presented a paper on ”Human activity recognition with smartphones using machine learning process.” ,IEEE- International Conference on Computer Communication and Informatics (ICCCI), Jan. 25 – 27, 2022, Sri Shakthi Institute of Engineering & Technology,Coimbatore, INDIA
- M.Nithya & co ,presented a paper on ”Early Detection of Parkinson Diseases using Machine Learning & Image Processing .” ,IEEE- International Conference on Computer Communication and Informatics (ICCCI), Jan. 25 – 27, 2022, Sri Shakthi Institute of Engineering & Technology,Coimbatore, INDIA
- M.Nithya & co ,presented a paper on ”Finding lost child by face detection using

machine learning algorithm ." ICTE Sponsored International Conference on Artificial Intelligence and Machine Learning", IAIM-2022, Jan. 27 – 29, 2022, Sathyabama Institute of Science and Technology, Chennai, INDIA

- M.Nithya & co ,presented a paper on “Automated machine learning algorithm selection with fine tuned parameter”,IEEE Sponsored 6th International conference on Intelligent computing and control systems(ICICCS2022) at Vaigai College of Engineering ,Madurai dated 25-5.2022 to 27.5.2022

Patent:

- Filed a patent titled and published “Challenge operating system" IPR-202141002167,Jan 2021
- Received patent grant titled “Cooperative Sensing, Communication, Control of Iot Network Using Machine Learning Algorithm”,Innovation patent application, Australian Government.
- Published a patent title on “Intelligent Household Energy Related IOT System”IPR number-202141014005-03.07.2021
- Published a patent title on “A smart Portable Security system for Industry based IoT ”IPR number-202141012188-22.03.2021
- Published a patent title on “IoT based Energy management in microgrid using LORAWAN system ”IPR number-202141049030-26.11.21

Roles and Responsibility:

- ICT Academy Certified trainer - C Programming
- ORACLE Academy certified trainer
- Organized AICTE Approved FDP on Data Science and Exploratory Data Analysis With R and Python 07.6.2019 TO 20.6.2019
- Acted as project guide for the UG students and received funds from IEDC
- Certified in NPTEL(Data Mining , Introduction to Machine learning ,Outcome based pedagogic principles for effective Teaching,R programming,Python for Data Science)
- Acting as department cultural coordinator, PALS Coordinator
- Received ISO Internal auditor certificate (ISO 9001:2000,ISO 9001:2008,ISO 9001:2015)
- Acted as Mini Project ,main Project Coordinator and organized Mini-Project Exhibition and Main Project Exhibition.
- Acted as University exam cell and ISO coordinator in SMK Fomra institute of Technology

- Acted as Class In charge for the batch 2012,2010 -2014 for CSE
Department in Sri SaiRam Engineering College and Acting as Class
coordinator 2016-2020 batch
- Acted as Symposium Coordinator during ,2011-2012,2013- 2014 ,2019-2020

Workshop/Webinar/FDP:

- Attended FDP on “Grid and Cloud Computing “for 2 days 08.08.16 & 09.08.2016.
- Attended 5 days Faculty Development Programme on “Data Science and Big Data Analytics” in association with DELL EMC & ICT ACADEMY from 11/09/2017 to 15/09/2017.
- Attended workshop on”Red Hat Technology and Industry Adaptation”on 5th Dec 2017.
- Attended FDP on ”Engineering Teaching Pedagogy and Teaching Learning Process” from 03/12/2018 to 07/12/2018 conducted by Sri Sai Ram Institute of management Studies.
- Attended FDP on “NextGen TechStack” from 08/04/19 to 12/04/2019 .
- Attended AICTE sponsored 2 weeks FDP on “Data Science and Exploratory Data Analysis with R and Python” from 07.06.2019 to 20.06.2019.
- Attended workshop on “Intellectual Property Rights & Innovations” on 20/07/2019 conducted by Center for Intellectual Property Rights (CIPR) Anna University. Dept of Research & Development
- Attended AICTE FDP on “Ethical Hacking” during September 2019 through NPTEL.
- Attended AICTE FDP on “Internet of Things” from 10.04.2020 to 14.04.2020 organized by NITTR, Chandigarh.
- Attended AICTE FDP on “Artificial Intelligence” from 25.05.2020 to 29.05.2020 organized by NITTR, Chandigarh.
- Attended ATAL FDP on “Computer Science and Biology” from 10.04.2020 to 14.04.2020 organized by NITTR, Chandigarh.
- Attended AICTE sponsored FDP on “Smart Perspectives of IoT on 5g Communication - Practical Approach” from 08.11.2019 to 21.11.2019 conducted by Panimalar Engineering College.
- Attended MHRD - Leadership Talk with Ms. Ashwini Deshpande (Co-Founder & Director Elephant Design) on 06/06/2020.
- Attended Webinar on R&D proposal writing for faculties on 12/06/2020 organized by SIMS.
- Attended Webinar cum Workshop on “Data Science using Python “ from 17.06.2020 to 25.06.2020 conducted by Amrita College of Engineering & Technology, Nagarcoil.
- Attended IETE FDP on “New Normal with Disruptive Technologies’ from 27.07.2020 to 31.07.2020 Conducted by Dr.M.G.R. Educational and Research Institute
- Attended FDP on “Data Science “from 24.08.2020 to 28.08.2020 conducted by Rajalakshmi Institute of Technology.
- Attended ATAL FDP on “Data Science” from 21.09.2020 to 25.09.2020 conducted by B.S.Abdur Rahman Crescent Institute of Science & Technology.
- Attended ATAL FDP on “Computer Science and Biology” from 01.10.2020 to 05.10.2020 conducted by Kalinga Institute of Industrial Technology, Bhubaneswar.
- Attended AICTE STTP on Building Intelligent Applications with Deep Learning using PyTorch from 05.10.2020 to 10.10.2020 organized by Rajalakshmi Institute of Technology.
- Attended RAISE 2020, Gov.in –webinar - Virtual Global Summit on AI, India from 05.10.2020 to 09.10.2020 organized by Ministry of Electronics & Information Technology, India
- Attended webinar on “IEEE Benefits to Research Community” on 23.10.2020 conducted by

Srinivas University, Mangaluru.

- Attended AICTE STTP on "Medical Image Analysis" from 02.11.2020 to 07.11.2020 organized by V.S.B. Engineering College, Karur
- Attended AICTE STTP on "Cyber security and Block Chain technology" from 07.12.2020 to 12.12.2020 organized by Sanjivani College of Engineering, Kopergaon, Pune.
- Attended AICTE STTP on "Internet of Things with Block chain Applications and Challenges" from 04.01.2021 to 09.01.2020 organized by Vellalar College of Engineering & Technology.
- Attended ATAL FDP on "Big Data Analytics" from 25.01.2021 to 29.01.2021 conducted by Siddhartha Institute of Engineering & Technology.
- Attended ATAL FDP on "Cloud Technology " from 08.02.2021 to 12.02.2021 conducted by NITTR, Chandigarh.
- Attended AICTE STTP on "Speech and Image Processing using Deep Learning Techniques" from 03.03.2020 to 09.03.2020 organized by Annamalai University.
- Attended ATAL FDP on "Blockchain analytics and big data - the future of business process" from 6.12.2021 to 10.02.2021 conducted by Central University of Tamil Nadu.
- Attended ATAL FDP on "Quantum Computing and Communications : New Paradigm", SRM university - AP, Andhra Pradesh held from 27th – 31st Dec 2021,
- Attended Training on National Intellectual property awareness mission on 12.4.22 organised by NIPAM, IPR office, Government of India, Chennai