

RESUME

Dr.A.Sheik Abdullah

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Scopus ID: 57190010410

<https://scholar.google.com/citations?user=ZLOm0jEAAAAJ&hl=en>

Education

PhD., 2019, Anna University, Chennai, India.

M.E., 2012, Anna University, Chennai, India. (Gold Medalist – First class with Distinction – 8.6)

B.E., 2010, Anna University, Chennai, India. (First Class with Distinction – 80%)

Work Experience

20th Jan 2022 to Present

Assistant Professor (Senior Grade 2), School of Computer Science and Engineering, Vellore Institute of Technology, Chennai Campus – 600127, Tamil Nadu, India. (*Ranked within the top 200 in Asia (QS - Asia University Rankings 2022, 9th in NIRF India Rankings)*)

Dec' 2012 to 6th Jan 2022 (9 years)

Assistant Professor, Department of Information Technology, Thiagarajar College of Engineering, Madurai – 15. Tamil Nadu, India. (*Ranked in top 100 NIRF Ranking framework*)

Teaching: Cognitive Data science, Data Analytics, Information Retrieval, Machine Learning, Programming Essentials.

Research: Healthcare Decision Support Systems, Data Analytics, Soft Computing (Swarm Intelligence), Machine learning.

Academic Responsibilities held

Yi YUVA Youth Leadership and Empowerment (2022 – Present Coordinator)

Research Publications School level Coordinator (2022 – Present)

ACM Student Chapter Faculty Sponsor (2015 – Present)

Department Administration DLC

Placement coordinator DLC

Research Coordinator DLC

Data Analytics Research Group DLC

Artificial Intelligence Working Group DLC

Domain of Interest

Cognitive science

Data Analytics
Soft Computing
Machine Learning
Swarm Intelligence

Awards and Honors

Research Award for Publications for the academic year 2022 – 23 at Vellore Institute of Technology

Association for Computing Machinery (ACM) Student Chapter Faculty Sponsor for Leadership & Commitment (2016-2022)

Expertise in Soft Computing, Springer – Reviewer Recognition (2019)

Mentor Recognition in DST & Texas Instruments India Innovation Challenge Innovation contest (2019)

Recognized for Exceptional Contribution as Primary Evaluator in Toycathon 2021, Organized by the Ministry of Education, Ministry of MSME and Ministry of Education's Innovation cell, Government of India.

Honorable Chief Minister Award for Excellence in E-Governance (Bronze Medal) (2015)

Gold Medalist ME (CSE) Anna University, Chennai. (2013)

ACM Coach Award for mentoring student's team in ACM International Collegiate Programming Contest (2014)

PhD Supervisorship

Recognized as a **PhD Supervisor** (Ref.No.: VITCC/Dean(AR)/SCOPE/20221839) for guiding PhD scholars of VIT University Chennai under the School of Computer Science and Engineering.

Recognized as a **PhD Supervisor** (Ref.No.: 3840010) for guiding PhD scholars of **Anna University** Chennai under the faculty of Information and Communication Engineering.

Sponsored Research / Funding Received

Received Rs. 4 Lakhs 50 Thousand funding for AICTE QIP STC on Research Issues and Challenges in Data Science and Big Data Analytics 2019

Received Rs. 76 Lakhs for Cyber Threat Intelligence Research Centre (V-CYBERTECH) by FIST as an Implementation member 2023

Sponsored Research Funding Applied

Submitted Project Proposal entitled “**Design of an Intelligent Healthcare System for identifying the Probability of Coronary Heart Disease (CHD) Risk Factors of People based on their habitual and hereditary features**”, Indian Council of Medical Research, India 2022 Rs. 2743071.00

Submitted Project Proposal entitled “**An Automated surveillance AI-based Health care Decision support Model with Optimized therapeutic control for estimating disease specific syndromes of Coronary Heart Disease**” for Dr.S.Kothari Research grant for Newly recruited faculty members, UGC Govt. of India. 2022 Rs. 500000.00

Submitted Project Proposal entitled “**Metaverse based Extended reality cognitive Rehabilitation for children with autism spectrum disorders upon statistical evaluation**”, for SERB TARE 2023 Rs. 500000.00

Submitted Project Proposal entitled “**An AI-enabled monitoring system in CHD for detecting heart irregularities among rural people**”, for SERB Startup Research Grant 2023. Rs. 1641561.00

Submitted project proposal entitled “**An Automated platform in AI with Data warehouse for Tamil Nadu Agricultural Crop Management System to control Pest and Diseases in order enhance Crop production**” for DBT 2023. Rs. 1269000.00

Consultancy

Automation of novel integrated Data Analytics and machine learning models for Predictive Analysis in sales navigation-accelerated production (SNAP) INSPAC Solutions for Rs. 35,400/.

Automation of School Management software from Gain Valuable Solutions, Chennai for an amount of Rs. 24, 780/. (July – December 2022)

E-Governance - Advanced Income Tax Assessment System, NIC Madurai 2018.

E-Governance - Web based Solution for Madurai District Rural Development Agency (DRDA), NIC Madurai 2017.

E-Governance - An Automated system for Birth and Death Certificate Issual, NIC Madurai 2015.

E-Governance - An Automation System for tracking Community Certificate, NIC Madurai 2013-2014.

Other Recognitions

As a Membership chair for TCE IT ACM student chapter at Thiagarajar college of Engineering, Madurai 134878 2022-2023

As a Membership chair for ACM Sivakasi chapter at PSR college of Engineering for ACM professional and Student chapter 190158 and 190445 2023

As an Expert reviewer for the 2nd International Conference on Advances in Data-driven computing and Intelligent Systems (ADSIS 2023), September 21 – 23 2023, BITS Pilani, in association with Soft computing Research society, India.

As an Expert member of the Technical committee for the 5th International Conference on sustainable and Innovative solutions for current challenges in Engineering and Technology, (ICSISCET 2023), 21 – 23rd October 2023, MITS Gwalior, India.

As an Expert Reviewer for the International Conference on Intelligent Computing Systems and Applications (ICICSA 2022) at National Institute of Technology Silchar.

As a Program committee member and reviewer in 2022 IEEE World conference on Applied Intelligence and Computing, held during 17-19 June 2022, in collaboration with soft computing research society.

As a Program committee member and reviewer in the International Conference on communication and intelligent system held online during December 19-20 2022, National Institute of Technology, Delhi.

Reviewer in IEEE Transactions, IEEE Access, Elsevier, Wiley, and Springer Journals.

As an expert reviewer in International Conference on Artificial Intelligence and Sustainable Computing for Smart Cities, March 22nd – 23rd, AIS2C2 is a coalition of six Universities from India and Europe, Greater Noida, India, 2021.

Shortlisted for for "Prof Ravi Ravindran and ORSI-BC Internship 2020" for about two months at Indian Institute of Science (IISC), Bangalore with a stipend of Rs. 25, 000/. Per Month, 2020.

As an expert reviewer in International Conference on Innovation and Intelligence for Informatics Computing and Technologies (3ICT 2020), IEEE Bahrain Section and IET UK, 20-21 December, University of Bahrain, Bahrain, 2020.

Two days Visiting Faculty at The Institute of Mathematical Sciences (IMSc), (Supported by Department of Atomic Energy of the Government of India) for interacting with the professors at IMSc in the domain of Machine Learning and Computational Biology, 2019.

Shortlisted for Research work Presentation in the "ACM IRISS 2019: 13th Inter-Research-Institute Student Seminar in Computer Science", Association for Computing and Machinery (ACM) February 06th-07th, 2019.

As a visiting Researcher for Training Programme on "Timed Automata and the UPPAAL Tool", at Chennai Mathematical Institute (CMI), Chennai. 19-02-2018 to 21-03-2018.

As a Visiting researcher for Training Programme on "Timed Automata and its Applications", at Chennai Mathematical Institute (CMI), Chennai 29-05-2017 to 02-06-2017.

As an expert reviewer in 13th World Conference on Applied Data Science, (WCASET – 18) October 19th – 20th 2018, Bangkok.

As an expert reviewer in World Conference on Applied Science Engineering and Technology, (WCASET – 2018), 29th – 30th December 2018, Goa.

MOOC Online courses

Published MOOC course entitled Statistical Modeling and Analysis for UG students at Thiagarajar College of Engineering.

<https://youtu.be/QYknE3q7NGs>

<https://youtu.be/ZbYBl9FDdU8>

<https://youtu.be/2jpCqocb0Zs>

<https://youtu.be/CfBj7rlnSLk>

<https://youtu.be/IV2cHM6dEiE>

Patents Published

App. No: 2021141000190: Novel Clinical Decision support system for Risk factor Prediction and Estimation in Patients with Disease specific Syndromes.

App. No: 202141017959: Cognitive Mind Based Mobile App and Kiosk Support for Women Mental Health Issues.

Certifications

Certified by Coursera for 6 different courses from the University of Illinois, University of California (Irvine/San Diego), Johns Hopkins University, University of Colorado Boulder.

Certified by IIT Bombay & NPIU Government of India for the two week course on Digital Transformations in Teaching.

Certified by Indo Universal Collaboration for Engineering Education (IUCEE) for the course on EPICS Design Thinking (12 Weeks)

Professional Memberships

IEEE Member 93073438

ACM Association for Computing Machinery 1184581

Internet Society 2186256

ISTE Indian Society for Technical Education 93042

Liaison with Industry

Organized FDP on Research Issues and Challenges in Big Data Analytics – Tools, Techniques and Applications – An Industry Perspective 2023.

Signed MOU between CDAC and VIT Chennai for promoting Industrial Research, Training, Incubation cell and student internships and VAP courses, 2023

Signed MOU between CDAC Chennai and Data Analytics Lab, TCE for promoting industrial collaborations such as Training, Research, and conducting Industry supported courses, 2017-2022.

Organized Industry supported courses with Cognizant Chennai for the course on Data Warehousing and Business Intelligence. (2014 – 2017) Expert: Mr.SriramVeembu

Organized FDP in Machine learning and IOT by interacting experts from Xerox Research labs, Bangalore. (2015) Expert: Dr.GeethaManjunath

Conducted First Annual event meet for the ACM student chapter by inviting Mr.SrinivasPadmanabhuni (ACM President). (2015)

Initiated and organized credit course on IBM Watson Analytics and IBM Big data Technologies. (2015 – 2021) Expert: Mr.Lawrence Mohanraj

Conducted Research training program in Advanced Java Technologies from Inautix Chennai (2016) Expert: Mr.S.Thamaraiselvam

Organized credit course on Hadoop Ecosystem Tools by Dr.K.Vijay Kumar, Principal Director, CDAC, Chennai.

Organized credit courses on Regression Techniques for Engineering Applications by Mr.GV.Naveen, Datalore labs, Chennai.

Organized credit course on Data science and AI applications by Mr.Sudharsan Santhiappan, Buddihealth, BuddiAI, Chennai.

Liaison with Higher Learning Institutes

Invited Prof. Dr. Dr. Mohamed Saleem Haja Nazmudeen, Deputy Dean UTB School of Business, Universiti Teknologi Brunei for the International lecture on “Applications of Data Analytics”.

Invited Prof. Dr.Seyed M Buhari, King Abdulaziz University, Jeddah, Saudi Arabia, for the Two Days International FDP on “Multi-objective Optimization for Real time Research Problems”.

Invited Prof.Dr.Sheik Meeran, from University of Bath, UK for a period of 1 month to collaborate with the students and faculty members of TCE. The work keenly focused on Student training, Research, credit courses, and mentoring practices.

Invited Prof.R.Ponnurangam Kumaraguru, IIITD, Delhi as a distinguished speaker under ACM Chapter for hosting and organizing Technical event, Social workgroup and Faculty research.

Invited Prof. AditiMajumder, University of California, Irvine as an Eminent speaker under ACM chapter for research interaction under the topic “Research to Commercialization of Ubiquitous Displays”.

Invited Prof. Oge Marques for the IUCEE Conference and Distinguished Speaker Programme in the topic of Image Processing and its Applications.

Undergone Research training at Chennai Mathematical Institute from Prof.Madhavan Mukund, in the topic of Automata Theory, Timed Automata and its Applications.

Visiting faculty at The Institute of Mathematical Sciences for interacting towards research and development with Prof. Venkatesh Raman, Prof. Rahul Siddharthan, Prof. GowthamMenon in the department of computational biology.

Invited Prof.U.Dinesh Kumar, IIM Bangalore as a chief guest for the AICTE QIP on "Research issues and Challenges in Data Science and Big Data Analytics".

Interacted for active collaboration with Prof. R.Vishnu Vardhan, Department of statistics, Pondicherry University. The work progressed under the topic “Graphs and Predictive Modeling”.

Publications

1 Book	20+	Book Chapters	30+	Scopus/WoS/SCI articles	42+	International conferences	
Citations		418	H Index		11	i10 Index	13

Refereed Journals (Q1/Q2)

R Parkavi, P Karthikeyan, A Sheik Abdullah, "Predicting Academic Performance of Learners With the Three Domains of Learning Data Using Neurofuzzy Model and Machine Learning Algorithms", Journal of Engineering Research, Elsevier, 2023. Q2 Journal

R.Muruganandham, A.Sheik Abdullah, S.Selvakumar, "A Hybrid Web Analytic Approach through Click Enabled Vision Based Page Segmentation in Quest Software for School Students", Journal of Intelligent and Fuzzy Systems, Vol.1, pp. 6863 – 6875 **IOS Press**, 2022. DOI: 10.3233/JIFS-221392 Q2 Journal

A.Sheik Abdullah, "Assessment of the risk factors of type II diabetes using ACO with self-regulative update function and decision trees by evaluation from Fisher's Z-transformation", Journal of Medical, Biological Engineering and Computing, **Springer**, Vol.60, No. 1, pp. 1391–1415, 2022. <https://doi.org/10.1007/s11517-022-02530-2> Q2 Journal

A. Sheik Abdullah, S. Selvakumar, and M. Venkatesh, "Assessment and evaluation of CHD risk factors using weighted ranked correlation and regression with data classification," Soft Computing, vol. 25, no. 6, pp. 4979–5001, Feb. 2021. **Springer**. Q2 Journal

A.Sheik Abdullah, "Assessment of risk factors in medical data using improved Binary Artificial Fish Swarm Algorithm with Classification upon Evaluation from F-Test," International Journal of Swarm Intelligence Research (IJSIR), **IGI Global**. Q2 Journal

A. Sheik Abdullah and S. Selvakumar, "Assessment of the risk factors for type II diabetes using an improved combination of particle swarm optimization and decision trees by evaluation with Fisher's linear discriminant analysis," Soft Computing, vol. 23, no. 20, pp. 9995–10017, Oct. 2018. **Springer**. Q2 Journal

S. Selvakumar, A. Sheik Abdullah, and R. Suganya, "Decision support system for type II diabetes and its risk factor prediction using bee-based harmony search and decision tree algorithm," International Journal of Biomedical Engineering and Technology, vol. 29, no. 1, p. 46, 2019. **Inderscience**. Q3 Journal

S. Rajaram, V. Rajendran, A. Sheik Abdullah, and R. Suganya, "Prediction of heart diseases using hybrid feature selection and modified Laplacian pyramid non-linear diffusion with soft computing methods," International Journal of Biomedical Engineering and Technology, vol. 25, no. 1, p. 30, 2017. **Inderscience**. Q3 Journal

Sheik Abdullah A., Akash K., Bhubesh K. R. A., and Selvakumar S., "Development of a Predictive Model for Textual Data Using Support Vector Machine Based on Diverse Kernel Functions Upon Sentiment Score Analysis," International Journal of Natural Computing Research, vol. 10, no. 2, pp. 1–20, Apr. 2021. **IGI Global** Q3 Journal

A. Sheik Abdullah, R. M. Abirami, A. Gitwina, and C. Varthana, "Assessment of Academic Performance with The E-mental Health Interventions in Virtual Learning Environment

Using Machine Learning Techniques: A Hybrid Approach,” Journal of Engineering Education Transformations, vol. 34, no. 0, p. 79, Jan. 2021. Q3 Journal

A. Sheik Abdullah, P. Karthikeyan, S. Selvakumar, and R. Parkavi, “A Strategic Approach in Handling Information Retrieval Course for Attaining Course Outcomes – A Case Study,” Journal of Engineering Education Transformations, vol. 34, no. 0, p. 148, Jan. 2021. Q3 Journal

R. Parkavi, P. Karthikeyan, A. Sheik Abdullah, “Impact of Massive Open Online Courses and Best Practices: A Case Study on Social Network Analysis Course”, Journal of Engineering Education Transformations, vol. 31, no. 3, Jan. 2018. Q3 Journal

A. Sheik Abdullah, N. Gayathri, A. M. Abirami, R. Parkavi, “A Statistical Approach for setting SLO Targets over Outcome Based Education-A Case Study”, Journal of Engineering Education Transformations, vol. 31, no. 3, Jan. 2018. Q3 Journal

Edited Book

R. Suganya, S. Rajaram, and A. Sheik Abdullah, “Big Data in Medical Image Processing,” **CRC Press**, pp. 1–45, Jan. 2018. (Edited Book)

Book Chapters / Edited Chapters in Book (Scopus)

A. Sheik Abdullah, Karthikeyan Jothikumar, Arif Ansari, Role of Block chain in Healthcare sector for the book Deep learning for Healthcare services, Bentham Publishers, Scopus. DOI:[10.2174/97898150802301230201](https://doi.org/10.2174/97898150802301230201) ISBN: 978-981-5080-24-7 2023.

A. Sheik Abdullah, R. Priyadharshini, M. Suguna, S. Selvakumar, “Healthcare Multimedia Data Analysis Algorithms Tools and Applications” for the book Digital Twins and Healthcare: Trends, Techniques, and Challenges, IGI Global, Scopus. DOI: 10.4018/978-1-6684-5925-6.ch011

A. Sheik Abdullah, R. Parkavi, P. Karthikeyan, and S. Selvakumar, “A Text Analytics-based E-Healthcare Decision Support Model Using Machine Learning Techniques,” Smart Computational Intelligence in Biomedical and Health Informatics, pp. 169–182, Jul. 2021. CRC Press.

A. Sheik Abdullah, R. Parkavi, T. Saranya, P. Priyadharshini, and Arif Ansari, “Data Analytics and Applications to Cyber-Physical Systems,” Cyber-Physical Systems and Industry 4.0, March. 2022. CRC Press.

K. Keerthy, A. Sheik Abdullah, and S. Chandran, “Analysis of Ground Water Quality Using Statistical Techniques,” Advances in Computational Intelligence and Robotics, pp. 152–161, 2020. IGI Global.

Sheik Abdullah A. and Abiramie Shree T. G. R., “Social Network Analysis,” Advances in Data Mining and Database Management, pp. 107–117, 2020. IGI Global.

Sheik Abdullah A. and Priyadharshini P., "Big Data and Analytics," *Advances in Data Mining and Database Management*, pp. 47–65, 2020. IGI Global.

Sheik Abdullah Abbas, S. Subramanian, P. Ravi, S. Ramamoorthy, and V. Munikrishnan, "An Introduction to Survival Analytics, Types, and Its Applications," *Biomechanics*, Jan. 2019. Intech Open.

S. K. Harsheni, S. Souganthika, K. Gokul Karthik, A. Sheik Abdullah, and S. Selvakumar, "Analysis of the Risk Factors of Heart Disease Using Step-Wise Regression with Statistical Evaluation," *Lecture Notes on Data Engineering and Communications Technologies*, pp. 712–718, Nov. 2019. Springer.

Sheik Abdullah A., Selvakumar S., Parkavi R., Suganya R., and Abirami A. M., "Big Data Analytics in Healthcare Sector," *Research Anthology on Big Data Analytics, Architectures, and Applications*, pp. 993–1002, 2022. IGI Global.

Parkavi R, Priyanka C, Sujitha S., and Sheik Abdullah A, "Mobile Cloud Computing," *Advances in Computer and Electrical Engineering*, pp. 105–123, 2018. IGI Global.

A. Sheik Abdullah, N. Gayathri, S. Selvakumar, and S. Rakesh Kumar, "Identification of the Risk Factors of Type II Diabetic Data Based Support Vector Machine Classifiers upon Varied Kernel Functions," *Lecture Notes in Computational Vision and Biomechanics*, pp. 496–505, 2018. Springer.

R. Parkavi, A. Sheik Abdullah, S. Sujitha, and P. Karthikeyan, "Mobile Devices in the Classroom," *Advances in Educational Technologies and Instructional Design*, pp. 177–193, 2018. IGI Global.

Parkavi. Ravi, P. Chinnaiah, and Sheik Abdullah Abbas, "Cloud Computing Technologies for Green Enterprises," *Green Business*, pp. 395–414, 2019. IGI Global.

A. Sheik Abdullah, R. Suganya, S. Selvakumar, and S. Rajaram, "Data Classification," *Handbook of Research on Advanced Data Mining Techniques and Applications for Business Intelligence*, pp. 34–51, 2017. IGI Global.

A. Sheik Abdullah, S. Selvakumar, and A. M. Abirami, "An Introduction to Data Analytics," *Handbook of Research on Advanced Data Mining Techniques and Applications for Business Intelligence*, pp. 1–14, 2017. IGI Global.

Sheik Abdullah A, Selvakumar S, and Ramya C, "Descriptive Analytics," *Applying Predictive Analytics Within the Service Sector*, pp. 88–112, 2017. IGI Global.

Abirami AM, Abdullah AS, Askarunisa A, Selvakumar S, Mahalakshmi C. Sentiment Analysis. *Handbook of Research on Advanced Data Mining Techniques and Applications for Business Intelligence*, IGI Global; 2017;162–74.

International Conferences (Scopus)

A.Sheik Abdullah, Devika Rajasekar, A Rahul, A Machine Learning Approach for the Identification and Estimation of Pulsars upon Statistical Analysis, 2023 International Conference on Network, Multimedia and Information Technology (NMITCON), NITTE Meenakshi Institute of Technology, IEEE Xplore 2023

P.Je Sai Kailash, Deepthi Ramesh, Prithviraj Guntha, A. Sheik Abdullah, "Evaluating Employee Attrition And Its Factors Using Machine Learning Approaches", IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON), NITTE Meenakshi Institute of Technology, IEEE Xplore 2023

A.Sheik Abdullah, R.Priyadarshini, Altrin Lloyd Hudson, Naga Pranav Shasank "An Automated Platform for evaluating the factors related to Music Recommendation System", 6th International Conference On Emerging Current Trends In Engineering And Management, Panimalar Engineering college, 28th April 2023, IEEE Xplore

Isha Karn, Sukrit Thiagaraja Manikandan, A.Sheik Abdullah, "Disseminating the process of Hurricane Path Prediction using Multilayer Perceptron and Support Vector Machine upon varied kernel functions", 2023 2nd International Conference for Advancement in Technology (ICONAT 2023), IEEE Bombay Section.

A.Sheik Abdullah, Altrin Lloyd Hudson, Naga Pranav Shasank, "An efficient Decision support system for Stock Market Prediction using Technical Indicators as features by Machine Learning Approaches", 4th International Conference Of Emerging Technologies, Jain College of Engineering, 26th May 2023 IEEE Xplore

A.Sheik Abdullah et al., "Predicting student's placement prospects using Machine learning Techniques", International Conference on Innovative Computing & Communication (ICICC), 22-23 April, 2022, SSRN Elsevier.

A.Sheik Abdullah, R.Priyadharshini, "Smart Vehicle parking system using Deep learning", International conference on Communication Security and Artificial Intelligence, (ICCSAI 2022), 23rd to 24th December 2022, Galgotias University.

Manoj A, Tarun Kishore Gt, Sheik Abdullah A and Selvakumar S, "Sentiment Analysis of user groups in an working Environment using CNN for Streaming Data Analysis", International Conference on Emerging Technologies in Data mining and Information Security (IEMIS 2022), 23rd to 25th February 2022, Institute of Engineering and Management, Kolkata, India, Springer.

R.Parkavi, P.Karthikeyan, A.Sheik Abdullah, "Collaborative Learning: A Case Study on Information Security and Auditing Management Course", International Conference for Advancement in Technology (ICONAT), RIT Maharashtra, India. IEEE Xplore.

Sheik Abdullah A, Manoj A, Tarun Kishore GT, Selvakumar S, "A New Approach to Remote Health Monitoring using Augmented Reality with WebRTC and WebXR", The International

Arab Conference on Information Technology (ACIT 21), Department of Information Studies, **Sulthan Qaboos University, Oman**, 2021, IEEE Xplore.

Sajeev Krishna R, Shyam K, Sheik Abdullah A, Sherry Ruth V, "Team Mood Detection Using Deep Learning", 8th International Conference (Online) on Business Analytics and Intelligence, [ICBAI-2021], Indian Institute of Science, Bangalore.

A.Sheik Abdullah, A.Manoj, S.Selvakumar, "A Hybrid Data Analytic Approach to Evaluate the Performance of Stirling Engine using Machine Learning Techniques", 3rd IEEE Bombay Section Signature Conference (IBSSC-2021), IIITM Gwalior, IEEE Xplore.

A.Sheik Abdullah, J.Karthikeyan, KRA Bhubesh, "Medical Steel Fault Prediction Using Deep Learning Techniques", 16th Conference on Computer Science and Intelligence Systems FEDCSIS 2021, 2-5 September, Position and Communication Papers of the 16th Conference on Computer Science and Intelligence Systems.

A. Sheik Abdullah, A. Manoj, and S. Selvakumar, "Assessment and Evaluation of cancer CT images using deep learning Techniques," 2021 2nd International Conference on Secure Cyber Computing and Communications (ICSCCC), May 2021. IEEE Xplore.

A. Sheik Abdullah, R. Suganya, A. M. Abirami, and K. R. A. Bhubesh, "Detecting Subacute Thyroiditis after COVID-19 infection using Deep Learning Techniques – A Case Study," Journal of Physics: Conference Series, vol. 1917, no. 1, p. 012023, Jun. 2021.

K. Akash and A. Sheik Abdullah, "A New Model of Zero Energy Air Cooler: An Cost and Energy Efficient Device in Exploit," Lecture Notes in Electrical Engineering, pp. 141–150, Dec. 2020. Springer

A. Sheik Abdullah, K. Akash, J. ShaminThres, and S. Selvakumar, "Sentiment Analysis of Movie Reviews Using Support Vector Machine Classifier with Linear Kernel Function," Advances in Intelligent Systems and Computing, pp. 345–354, Sep. 2020. Springer

A. Sheik Abdullah, V. Rishi Kumar, S. Selvakumar, M. Venkatesh, and P. Ravi, "A Hybrid Decision Support Model for Type II Diabetes," 2018 International Conference on Advances in Computing, Communications and Informatics (ICACCI), Sep. 2018. IEEE Xplore

A. Sheik Abdullah, C. Ramya, V. Priyadharsini, C. Reshma, and S. Selvakumar, "A survey on evolutionary techniques for feature selection," 2017 Conference on Emerging Devices and Smart Systems (ICEDSS), Mar. 2017. IEEE Xplore

Reviewer in Journals (Highlights)

Journal of King Saud University Elsevier

Computers and Biology in Medicine – Elsevier

IEEE Access

Healthcare Informatics

IEEE Transactions on Knowledge and Data Engineering

Soft Computing, Springer

Applied Soft computing Elsevier

International Journal of Fuzzy Systems

European Heart Journal

Projects Guided

Feature Based Predictive Modeling and Analytics for Medical Data

Fake news detection using Machine learning

Divvy Bike-Share Analysis for Targeted Customers Marketing

LSTM Networks and Hyper Parameter Optimization for algorithmic Trading of Nifty 50 Stocks

Opinion Analysis of Social Media Data

A Hybrid Predictive Model for the Determination of Cancer Recurrence

Big Data Processing Using HBASE for Clinical Datasets

Predictive Analysis in Medical Data Using Weight Based Decision Trees

A Hybrid Web Analytic Approach through Page Segmentation for Quest Software

Proctor Management System-In-House Project

Tutorials and Workshops (Highlights)

Third International virtual conference on Industry 4.0 held during 19th and 20th July organized by Vellore Institute of Technology, Chennai with Manchester Metropolitan University UK and JNTU Hyderabad 2022.

One week FDP on “RPA Design and Development v3.0 - Educator Readiness program”, in collaboration with UI Path, Vellore Institute of Technology, Chennai 14-07-2022 to 19-07-2022.

One day Workshop on IoE Distinguished Lectures on “Successful Publication Strategies” at Vellore Institute of Technology, Chennai 25-03-2022

One week short term course on “Insights into AI and ML for Image Processing Techniques”, conducted by the department of computer science engineering and technology, Faridabad, in association with CCE, NIT Warangal from 28-11-2022 to 02-12-2022.

One - day workshop on Text Analysis and Information Extraction & Retrieval (TIER 2022), held as part of IFIP 6th Virtual International Conference on Computer, Communication, and Signal Processing (ICCCSP-2022) during February 23 – 25, 2022, SSN College of Engineering, Chennai, Tamil Nadu.

AICTE Training and Learning (ATAL) Academy online FDP on Computer Genomics Tools for Next Generation Sequencing and Biomedical Data Analysis from 07-03-2022 to 11-03-2022 at Bharathiar University 2022.

AICTE Training and Learning (ATAL) Academy online FDP on Computational Synthetic and Systems Biology at Indian Institute of Technology Guwahati during 26-07-2021 to 30-07-2021.

AICTE Training and Learning (ATAL) Academy online FDP on Systems Engineering at National Institute of Technology, Jamshedpur during 18-01-2021 to 22-01-2021.

ACM Compute Conference “Pedagogical tools or methodologies to improve teaching-learning&Assessment tools or methodologies that are aligned to learning outcomes”, conducted during 9th – 12th December 2020, organized by ACM India Section, IIT Bombay, CMI, TCS and Nagpur ACM Chapter.

AICTE Training and Learning (ATAL) Academy online FDP on Technology Management at MNIT Malaviya National Institute of Technology, Jaipur during 14-12-2020 to 18-12-2020.

AICTE Training and Learning (ATAL) Academy online FDP on Artificial Intelligence at IIIT Naya Raipur, during 21-11-2020 to 25-11-2020.

AICTE Training and Learning (ATAL) Academy online FDP on Data Analysis using SPSS at Mahatma Gandhi University, during 05-10-2020 to 09-10-2020.

AICTE Training and Learning (ATAL) Academy online FDP on Data Sciences at Indian Institute of Information Technology, Vadodara, during 25-05-2020 to 29-05-2020.

Three Days online workshop on “Evidence based Teaching and Learning strategies in Higher Education”, organized by CREATES IISER Bhopal under PMMMNMTT scheme of MHRD, during 13-05-2020 to 15-05- 2020.

Two Day IUCEE-EPICS Workshop by Prof. William Oakes organized by Centre for Engineering Education Research at CMR College of Engineering and Technology, Hyderabad., 30-10-2019 to 31-10-2019.

ACM Compute Conference, The International Centre, Dona Paula, Goa in collaboration with Goa University, Goa., 10-10-2019 to 12-10-2019

One Week FDP on "Free/Open Source Software for AI and Cyber Security", Organized by Department of Computer Science and Engineering, Thiagarajar College of Engineering, Madurai., 26-08-2019 to 31-08- 2019

TEQIP III Sponsored One Day Workshop on "CDIO Based Curriculum Design", held at Thiagarajar College of Engineering, Madurai.,27-08-2019 to 27-08-2019.

One Week AICTE QIP Sponsored Short term course on "Pedagogical Innovations and Research Directions in STEM Education", During 25th February to 02nd March 2019., 25-02-2019 to 02-03-2019

One Week AICTE QIP Sponsored One week short term course on "Content Delivery and Assessment Methods for CS/IT Curriculum" during 11th February to 17th February 2019, Thiagarajar College of Engineering, Madurai., 11-02-2019 to 17-02-2019

A Two Day Symposium on "Business Analytics and Intelligence", at Indian Institute of Management, Bangalore., 23-06-2018 to 24-06-2018

Two Days Workshop on "Deep Learning" at Indian Institute of Management (IIM), Bangalore., 21-06-2018 to 22-06-2018

A three day Faculty Development Program on "Outcome Based Education", organized by the Centre for Engineering Education, Thiagarajar College of Engineering, Madurai., 16-03-2017 to 18-03-2017

DST & SERB TEQIP II Sponsored Short Term Training Programme on "Big data and IoT- The Strategies for Smart Environments", at Department of Information technology, Thiagarajar College of Engineering, Madurai., 17-02-2017 to 21-02-2017

Faculty Development Program on "Statistics with R", organized by the Department of Computer Science and Engineering in association with Electronics and ICT Academy, National Institute of Technology, Warangal, Telangana State., 26-11-2016 to 01-12-2016

TEQIP Sponsored workshop on "Evolutionary Optimization Algorithms and Applications", Department of EEE, Thiagarajar College of Engineering, Madurai., 04-03-2016 to 05-03-2016

TEQIP Sponsored – Two days Hands-on Workshop on “Exploratory and Statistical Analysis using R”, 06- 11-2015 to 07-11-2015

TEQIP Sponsored Faculty Development Program on "Assessment and Evaluation: Principles and Practices", 02-11-2015 to 04-11-2015

TWO - WEEK ISTE Short Term Training Programme (STTP) on Pedagogy for Effective use of ICT in Engineering Education, Conducted by IIT Bombay, held under National Mission on Education through ICT(MHRD), 05-01-2015 to 31-01-2015

Third National Workshop on "Advanced Data Analysis & Structural Equation Modeling using IBM SPSS AMOS ", organized by VIT Business School, VIT University, Vellore., 15-08-2014 to 17-08-2014

TEQIP II and CSI SIGDATA Sponsored "One Week Workshop on Databases - Learning Through Activity", organized by the Department of CSE, Thiagarajar College of Engineering., 23-06-2014 to 27-06-2014

Two-Week ISTE Workshop on Computer Programming Under the National Mission on Education through ICT, MHRD, Govt. of India., 09-06-2014 to 21-06-2014

Workshop on "Hadoop and Map-reduce for Big Data" at Centre for Development of Advanced Computing (C-DAC), Knowledge Park, Bengaluru., 24-04-2014 to 26-04-2014

Research Promotion workshop on "Introduction to Graph and Geometric Algorithms", at Indian Institute of Information Technology and Management, Kerala., 23-01-2014 to 25-01-2014

ACCS Workshop on Adaptive Computing : The Role of Big Data conducted by IISC Bangalore, at Hindustan University, Chennai., 24-10-2013 to 24-10-2013

The context of Developing teams with program solving skills, ACM International Collegiate Multi-provincial Programming Contest, Chennai., 19-10-2013 to 19-10-2013

Two-Week ISTE Workshop on Database Management System Under the National Mission on Education through ICT, MHRD, Govt. of India., 21-05-2013 to 31-05-2013

Applications of Soft Computing Techniques in Information retrieval and Knowledge Discovery, Thiagarajar College of Engineering, Madurai., 10-04-2013 to 10-04-2013

Faculty Development Workshop on Social Mobile Analytics Cloud (SMAC) Cognizant Technology Solutions, Chennai National., 27-02-2013 to 27-02-2013

Seminar/ Conference /FDP/ Workshops organized (Highlights)

Two Days National Workshop on “Research Issues and Challenges in Statistical Modeling and Analysis”, by Prof.S.Sumitra IIST and Prof. Vishnu Vardhan Pondicherry University. 12-05-2023 to 13-05-2023.

One day Guest lecture by Eminent Professor International Relations on “Data Analytics and its Applications” by Prof. Mohammed saleem Haja, Deputy Dean, UTB School of Business, Universiti Teknologi, Brunei. 05-10-2022.

ACM sponsored four Days online coding Boot camp: Python Programming, for School/Polytechnic and College Teachers at the Department of Information Technology, Thiagarajar College of Engineering, Madurai during 01-09-2021 to 04-09-2021.

ACM sponsored Webinar on “Big data Platform and Technologies”, by Dr.K.Vijay Kumar, Joint Director, CDAC, Chennai, 15-04-2021.

ACM sponsored Webinar on “Transfer Learning in NLP”, by Professor M.Anand Kumar, Department of IT, NIT Suratkal, 26-02-2021.

ACM Eminent Speaker Programme on “Game Theory”, by Professor R.Ramanujam, The Institute of Mathematical Sciences, Chennai, 24-02-2021.

One day Webinar on “Audio Science and Technology”, by Dr.TV.Venkateswaran, Scientist-F, Department of Science and Technology, Govt. of India organized at Department of Information Technology, Thiagarajar College of Engineering, Madurai, 20-02-2021.

ACM Two Day Certification course on Python for Data Science, Department of Information Technology, Thiagarajar College of Engineering, Madurai., 29-11-2019 to 30-11-2019.

ACM Two Day Certification course on Python Basics, Department of Information Technology, Thiagarajar College of Engineering, Madurai., 22-11-2019 to 23-11-2019.

ACM Student Workshop on Advanced Data Structures Algorithms and their Applications, Sessions handled by Prof. Venkatesh Raman, The Institute of Mathematical Sciences (IMSC), Chennai., 07-09-2019 to 08-09- 2019.

AICTE QIP One week STC on "Research issues and Challenges in Data Science and Big Data Analytics", Organized by the Department of Information Technology, Thiagarajar College of Engineering, Madurai., 18- 03-2019 to 24-03-2019.

ACM Annual Event Meet and Lecture on "Why and What on Algorithms?" by Professor. Venkatesh Raman, ACM Vice-President, Institute of Mathematical Sciences, Chennai., 26-10-2018 to 26-10-2018.

ACM Sponsored Distinguished Speaker Programme on "Privacy and Security in Online Social Media (PSOSM)" by Prof. PonnurangamKumaraguru, IIIT Delhi at KS Auditorium, Thiagarajar College of Engineering. 27-07-2018 to 27-07-2018.

A Three Day TEQIP III Sponsored ACM Faculty Development Training Programme on Statistical, Analytical and Data Modelling Tools, at Department of Information Technology, Thiagarajar College of Engineering, Madurai. , 26-04-2018 to 28-04-2018.

TCE in association with NIT Trichy“A one day inter-college Symposium" PRAGYAN SQUARE ONE at Thiagarajar College of Engineering, Madurai., 09-09-2017 to 09-09-2017.

ACM Technical talk on "Statistical Model Checking", by Prof. MadhavanMukund, Chennai Mathematical Institute, (ACM President), at Department of IT, Thiagarajar College of Engineering, Madurai., 30-08-2017 to 30-08-2017.

A Three Day TEQIP II Sponsored ACM Hands on Training Programme on Research Based Statistical and Analytical Tools, by AnupJeyantKelkar, CEO, and Prof. Vishnu Vardhan,

Department of Statistics, Pondichery University, at Department of IT, Thiagarajar College of Engineering., 05-01-2017 to 07-01-2017.

A Two Day TEQIP II Sponsored ACM Distinguished Speaker Programme on "Image Processing and its Applications", By Prof. oge Marques, Department of Computer and Electrical Engineering and Computer Science at Florida Atlantic University (FAU) (Boca Raton, Florida), at Department of IT, Thiagarajar College of Engineering., 09-12-2016 to 10-12-2016.

ACM Technical talk on "Research issues in Automata Theory and its Applications", by Prof. MadhavanMukund, Chennai Mathematical Institute, (ACM President), at Department of IT, Thiagarajar College of Engineering, Madurai.,31-08-2016 to 31-08-2016, 31-08-2016 to 31-08-2016.

National Conference on Recent Trends and Research Issues in Security, Mobility, Analytics and Cloud (SMAC), (Technical Talk by Prof. Krishna Reddy IIIT Hyderabad, Prof.Rajagopal ISI Coimbatore), at Department of Information Technology, Thiagarajar College of Engineering., 29-01-2016 to 30-01-2016.

TEQIP Sponsored Two Days IEEE Faculty Development Programme on "Machine Learning and Internet of Things", 08-05-2015 to 09-05-2015.

TEQIP Sponsored one day workshop on "Recent Trends and Research Challenges in Business Analytics and Optimization" by Dr.Prof.SheikMeeran, University of Bath, UK, at Department of IT, Thiagarajar College of Engineering., 13-08-2013 to 13-08-2013.

Invited lectures

Cloud data storage NoSQL and its Applications at BS Abdur Rahman Crescent Institute of Science and Technology, Chennai.

Applications of Data Analytics – A Real-time Perspective for the ACM Inaugural function at PSR Engineering college, Sivakasi

Data Analytics Tools Techniques and Applications for Two Days Workshop on Data Analytics Tools for Real Time Applications at KLN College of Information Technology.

Application of AI and Machine Learning in Manufacturing of Medical Devices for the Two Days International FDP on Machine learning in Manufacturing, Dept. of Mechanical Engineering, Thiagarajar College of Engineering.

E Governance An Opportunity To Shine for Three Days Workshop on E Governance And Its Issues and Challenges Organized by National E Governance Division New Delhi and Kalasalingam University.

Predictive Analytics for Workshop on Hands on Training on Big Data and Hadoop at Thiagarajar College of Engineering.

Statistics and Analytics Using R for A Three Day TEQIP II Sponsored ACM Hands on Training Programme on Research Based Statistical and Analytical Tools at Thiagarajar College of Engineering.

Data Analytics Tools Techniques and Applications for ACM Student Chapter Inaguration Cum Data Analytics Workshop at Kalasalingam University.

Hands on Training on Rapid Miner Tool Data Processing Algorithms and Its Applications for TEQIP III A Five Day Faculty Development Programme on Machine Learning and R Tool at Thiagarajar College of Engineering.

An Introduction To Data Analytics Tools Techniques And Applications for AICTE QIP Sponsored STC on Research Issues And Challenges In Data Science and Big Data Analytics at Thiagarajar College of Engineering.

Application of Machine Learning for Biomaterial Characterization for AICTE QIP on Biomaterials Characterization and Implants Analytics at Thiagarajar College of Engineering.

Python Basics for ACM Two Day Certification Course on Python Basics at Thiagarajar College of Engineering.

Particle Swarm Intelligence for Three Days FDP on Exploring Math and AI Techniques using Deep Learning Techniques at Thiagarajar College of Engineering.

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Herewith I certify that the above information is true and correct to the best of my knowledge.

Regards,

A.Sheik Abdullah