

BIO-DATA

Dr SMITHA.J. A
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WORK EXPERIENCE: *Having 15 years of Experience in Teaching.*

- Working as Professor and HOD in CSE Department at Sri Sairam College of Engineering, Bangalore, From July 2022-Till date
- Working as Associate Professor in CSE Department at The Oxford College of Engineering, Bangalore, From April 2021-July 14 2022
- Working as Associate Professor in ISE Department at AMC Engineering College, Bangalore, From June 2018-April 2021.
- Worked as Assistant Professor in I.T. Department at Adhiyamaan College of Engineering (ACE), Hosur, Krishnagiri(DT) From June 2012-March 2018. (5.10years)
- Worked as Assistant Professor in CMR Institute of Technology, Bangalore from June 2008 –December 2010.
- Worked as Lecturer in Shirdhi Sai Engineering College, Bangalore from Jan 2006 –June 2006.
- Worked as Lecturer in I.T. Department at Adhiyamaan College of Engineering, Hosur, Krishnagiri From Jan 2004 to Sep 2005.

EDUCATIONAL QUALIFICATION:

Qualification	Board/ University	Institution	Year of Completion	%
Ph.D (Computer Science and Engineering)	Anna University Chennai	Anna University Chennai	Sep 2020	-
M.E (CSE)	Anna University	Adhiyamaan College of Engineering	April 2008	73% (First Class)
B.Tech (Information Technology)	Madras University	Arunai Engineering College	April 2003	65% (First Class)

TECHNICAL SKILLS:

LANGUAGES	:	C, C++, C#, Java,Python
Front End Tools	:	VB
RDBMS	:	SQL Server (2005, 2008), ORACLE
OS	:	MS Windows Servers (2008,2012)/Windows 7,8,10
Packages	:	MATLAB

AREA OF INTEREST AND SUBJECTS HANDLED:

- Data Structures and Algorithm.
- Operating Systems.
- Java Programming
- Computer Organization and Architecture.
- Enterprise Computing.
- Web Technology.
- Software Engineering.
- Fundamentals of Computing and C Programming.
- Object Oriented Programming.
- C# and .Net.
- Object Oriented Analysis and Design.
- Building Enterprise Application.
- System Software.
- File Structures.

PROJECT PROFILE:

Phd. Research:

AN EFFICIENT MOVING VEHICLE DETECTION IN TRAFFIC SURVEILLANCE USING MACHINE LEARNING TECHNIQUES

M.E. PROJECT:

- *AN EFFICIENT WAVELET BASED NOISE ELIMINATION AND COMPRESSION OF ECG SIGNALS AND DIAGNOSIS USING PROBABILISTIC NEURAL NETWORK*

PATENT PUBLISHED

- *A SYSTEM METHOD TO PREDICT LUNG CANCER USING STOCHASTIC DIFFUSION SEARCH BASED FEATURE SELECTION ON 1/10/2020 (PATENT APPLN NUMBER(202041042860))*
- *A SYSTEM AND METHOD FOR TRAFFIC SURVEILLANCE TO IDENTIFY MOVING AND STATIONARY VEHICLES IN REAL TIME ON 08/12/2020 (PATENT APPLN NUMBER(202041053378))*

Journal Publication:

- Smitha, J A 2022 '**Optimized Human Activity Recognition paradigm using optimized Type2 Neuro Fuzzy Classifier**', 'Periodico di Minerologia' Scopus Indexed Journal Volume 91, No.4, 2022
- Smitha, JA & Rajkumar, N 2019, '**Efficient Moving Vehicle Detection for Intelligent Traffic Surveillance System using Optimal Probabilistic Neural Network**', **International Journal Business Intelligence and Data mining, InderScience Journal** vol. 15, no. 1, ISSN No.1743-8195 DOI: 10.1504/IJBIDM.2019.100466, pp. 22-48 (Annexure I).
- Smitha, JA & Rajkumar, N 2020, '**Optimal feed forward neural network based automatic moving vehicle detection system in traffic surveillance system**' **Multimedia Tools Applications (Springer)** ISSN 1380-7501 DOI 10.1007/s11042-020-08757-1 SCI Indexed (Annexure I).
- Smitha, JA & Rajkumar, N 2019, '**An Automatic Moving Vehicle Detection System based on Hypothesis Generation and Verification in a Traffic Surveillance System**' **International Journal of Vehicle Information and Communication Systems** ISSN No 1741-8208 InderScience Journal. (Scopus Indexed Journal)
- Smitha, JA & Rajkumar, N 2019, 'Complex Urban Surveillance by Tracking and Detection of Vehicles' **JASC: Journal of Applied Science and Computations** ISSN NO: 1076-5131 (UGC Approved Journal)

- Smitha, JA Published a Research paper Titled "*Online Portal for Government Schemes with Regional Language*" in IJIRSET, Volume06, Special issue03, March 2017.
- Smitha, JA Published a Paper Titled" Job Search Chatbot Using Slack" in International Journal of Management, Technology And Engineering. e-ISSN No: 2249-7455
- Smitha, JA Published a Paper Titled " Real-time classification of World Wide tweets based on profiler and location "in International Journal of Management, Technology And Engineering. e-ISSN No: 2249-7455

CO-CURRICULAR ACTIVITIES :

- Co-ordinated NBA and NAAC activities in The Oxford College of Engineering
- Co-ordinated National Conference organized by The Oxford College of Engineering
- Co-ordinated Workshops and Faculty Development programme organized by Department of ISE in AMC Engineering College.
- Co-ordinated for International Conference happened on March 2019 in AMC Engineering College Bangalore
- Acted as College level Admin for ERP in AMC Engineering College.
- Co-ordinated the Intra College Technical Symposium of "XAAS 2K18" held on 6th & 7th March 2018.
- Co-ordinated the Workshop of "*Web Application Development*" held on 22nd & 23rd March 2017.
- Attended 02 days International Workshop on "*Recent Trends in Computing and information*" held on 25th and 26th February 2016 in NSN College of Engineering Karur.
- Co-ordinated Third National Conference on "*Trends in Advanced Computing And Applications*" 18th & 19th March 2016, organized by CSI Student Branch, ACE, Hosur.
- Attended 02 days Faculty Development Programme of "*Datacenter Virtualization*" conducted by ICT ACADEMY OF TAMILNADU on 14th & 15th October 2015.
- Attended Second National Workshop Titled "*Research Trends in Information Technology & Applications*" during 10-11 December 2014 at ACE, Hosur organized by CSI Student Branch.
- Attended Faculty Development Programme on "*Digital Image Processing Using MATLAB*" held during 19-20 August 2014.
- Attended seminar on "*Roll of Parallel Computing in Future*" held at Govt. College of Engineering, Bargur on 20th September 2013 (AICTE Sponsored).

Papers Presented in National & International Conferences:

- Presented a paper in Third National Conference on Computing Communication entitled "*Gesture in Air for Home Automation*" held on 28th March 2017 at Agni College of Technology, Chennai.
- Guided & presented a paper entitled "*Grievance Handling System for Railways*" held at KLN College of Engineering on 17th & 18th March 2017.
- Presented a paper in International Conference on Information Sciences and Renewable Energy Sources entitled "*Digital Asset Management System*" held on 2nd & 3rd March 2017 at Selvam College of Technology, Namakkal.
- Presented a paper in National Conference on "*Trends in Advanced Computing and Applications*" held on 18th & 19th March 2016 at ACE, Hosur.
- Presented a paper in TechFolio entitled "*Rear View Vehicle Detection & Tracking by Combining Multiple Parts for Complex Urban Surveillance*" held on 29th March 2016 at Karunya University, Coimbatore.
- Presented a paper in National Conference on Computing Communication and Manufacturing entitled "*Vehicle Number Plate Recognition and Detection*" held on 12th March 2015 at Er Perumal Manimegalai College of Engineering, Hosur.
- Presented a paper in Third International Conference on Futuristic Trends in Electronics Engineering entitled "*Noval Image Encryption Technique Combined with Steganography*" held on 1st and 2nd March 2014 at Thiruvalluvar College of Engineering, Vandavasi.
- Presented a paper in First International Conference on Data Engineering and Management entitled "*An Efficient Wavelet Based Noise Elimination of ECG Signals and Diagnosis*" held on 9th February 2008 at Bishop Heber College, Trichy.

PERSONAL DETAILS:

Father Name : J M ASOKA

DOB : 05-08-1980

Nationality : Indian.

Marital Status : Married.

Address : Villa #30, Sai Srushti Sangamam,
Adjacent to Titan Township, Mathigiri,
Hosur – 635110.

Languages Known : English, Kannada, Tamil, and Telugu.