



RESUME

Career Objective

Looking for a Professional Work Environment to build a career as an efficient and dedicated tutor. Seeking a professional role to mentor students in the exciting career paths in the fields of modern signal processing and communications.

Summary of Skills

- A progressive and multitalented lecturer with extensive knowledge having 17 years' experience as Senior Assistant Professor.
- Commitment towards work and enthusiasm to learn. Outstanding experience of assisting seniors professors and mentoring students
- Ability to prepare syllabus, deliver lecture, and hold group conversation on related-topic with students
- Excellent motivational and leadership skills
- Ability to handle and mentor the students.
- Strong analytical, logical and mathematical skills.

Key Responsibilities Handled

- Faculty mentor for Nalaiya thiran-IBM Project (August 2022-November 2022)
- Overall Symposium Coordinator-College level (2022)
- Provide conceptual knowledge and make them visualize the things.
- NAAC –Department in charge(Criteria-2 CO-PO mapping)
- Overall College level-Exam cell Coordinator during Oct 2019- March 2021.
- Identify the weak points of students.
- Organize the industrial visit for students.
- Develop the extracurricular activities of students.
- Department time table In charge.
- Provide support to weak students.
- Department Symposium coordinator “Electro –Fest “conducted during 2022,2023,2017 & 2018.
- Department Anna university result analysis coordinator.

- Organized Guest Lecture on Digital signal Processing and Medical Electronics
- Collaborate with colleagues to address teaching issues.
- Participating in campus and community events.
- Providing guidance to the students for developing their career as well as making them familiar with different career opportunities.
- Preparing teaching material and utilizing it for the progress of students
- Participated towards admission duty in Chennai by approaching schools in the last 7 years.

Present Salary Drawn: **Rs.39,175**

Academic Result-Pass percentage

- Awarded as “Singapeene “ On Women’s Day 08.03.2021
- Awarded as “**Best Academic Teaching**” Faculty on 16.4.19

April 2022, Nov 2019, April 2018 & Dec 2018

- Digital Signal Processing- - **100%**
- Principles of Digital Signal Processing- **92%**
- Signals & system - **90%**
- VLSI Design - **90%**
- Basic electrical and electronics engineering-**79%**

Experience:

I have been working as an Senior Assistant Professor for a period of 11 years.

S.No.	Name of the institution	Designation	Period of service
1	Mohamed sathak A.J. college of engg, Egattur.	Assistant Professor	4/07/2011 to till date
2	Mohamed sathak A.J. college of engg, Egattur.	Lecturer	21/5/2008 to 21/11/2010.
3.	T.J.Institute of Technology, Chennai – 97	Lecturer	15/6/2004 to 16/05/2008

Subjects handled:

- Basics of Electrical and Electronics engineering
- Digital Principles and Computer Organization
- Digital signal processing
- Signals & system
- VLSI design
- Communication theory

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- Principles of communication
- Digital communication
- Control Engineering

Lab handled:

- VLSI Design lab
- DSP lab
- Electron devices and circuits lab
- Communication systems lab
- Cisco trainer
- Cyber security-Faculty Coordinator for Nan Mudhalvan-Mandatory courses

Field of interest:

- Digital signal processing
- Signals & system
- VLSI Design
- Communication systems

Personal Information

Name Jayanthi.E
Father's Name D.Elumalai
Date of Birth 03 June 1983
Sex Female
Permanent Address New no.4/437, First main road, P.T.C Quarters, Ch- 97.
Mobile 9884155152
Email smile_jayanthi@yahoo.co.in
Languages Known English & Tamil

Academic Performance

Course	Institution	Board/ University	Year of Completion	Marks %
Ph.D	Hindustan University	Hindustan University	Pursuing	-
M.Tech (VLSI Design)	Sathyabama University	Sathyabama University	2011	8.7 (CGPA)
B.E(ECE)	Thangavelu Engineering College, Chennai	Madras University	2004	81.4%
XII	St.Antony's Girls Higher Secondary School Pattinapakkam	State Board	2000	82.75%
X	Akshara Matriculation Higher Secondary School Okkiyam Thuraipakkam	Matriculation	1998	72.3%

Additional Qualification

- Published Patent as an Applicant on “Improved handling of Electronic Messages with Attachments in the Cybersecurity Systems”, December 2022.
- Published Patent as an Applicant on “A Smart Device to Monitoring the Optic Cable and Inform the Users in Case of any Discrepancies”, November 2022
- Published Text book on “Communication Systems” ISBN number-9 789395 422338, November 2022.
- Published Patent as an Applicant on “Priority Based Multiport Simultaneous wireless charging methods on Electric Vehicles”, November 2022.
- Published Journal on “Enhancing the performance of asymmetric architectures and workload characterization using LSTM learning algorithm, Elsevier, Advances in Engineering software 173(2022)103266, on 07.09.2022.
- Published Journal on “Integration Of V2x Information For Manoeuvre Feasibility Check and Decision Making in Trajectory Planning and Tracking Of Autonomous Mobile Robots, Volume 8, Issues: 5. NVEO Journal(First Author)
- Published Patent as an Applicant on Vehicular Edge computing using a smart Embedded System for Intelligent Transportation (21.08.2020)
- Published Journal on “Automatic Detection Of Invasive And Non Invasive Lobules Of The Breast in Mammogram Images”, Turkish Journal of Physiotherapy and Rehabilitation; 32(3) ISSN 2651-4451 | e-ISSN 2651-446X (3rd author)
- Presented a 2021 IEEE Sponsored International Conference on Emerging Trends in Industry 4.0 (ETI 4.0) “Application Workload Characterization using BAT_LSTM Learning algorithm for Asymmetric Architectures” held at OP Jindal University, Raigarh, and Chhattisgarh, India during 19 - 21, May 2021.
- Presented an International IEEE Co-sponsored Conference on Wireless Communications, signal processing and Networking” A Review on Workload Characteristics for Multi Core Embedded Architectures using Machine Learning and Deep Learning Techniques” at SSN College of Engineering, 25-27 March 2021.
- Presented a National Conference on Emerging Technologies in Smart city conducted by IEEE Student Branch “Digital water Metering and automatic billing Generation system” at SRM institute of Science and Technology (03.4.2019)
- Presented a National Conference on Emerging Technologies in Smart city conducted by IEEE Student Branch “A Flexible Projector VR system of wall uncounted buttons” at SRM institute of Science and Technology (03.4.2019)
- Presented a National Conference on Signal Processing and Communication Technologies “Digital water Metering and automatic billing Generation system” at Anand institute of Higher Technology (29.3.2019)

- Presented a National Conference on Signal Processing and Communication Technologies “A Flexible Projector VR system of wall uncounted buttons” at Anand institute of Higher Technology (29.3.2019)
- Attended Two days Workshop on Machine learning algorithm Conducted by St. Joseph institute of Technology 2018.
- Published Journal on “Automatic detection of micro aneurysm in retinal images” Journal of pharmaceutical science and research, Vol. 9(1), 2017, 74-80,ISSN No:0975-1459(SCOPUS)(2nd Author)
- Attended National level Workshop on “laser scattering Techniques using Laser sensors.” in Mohamed Sathak AJ college of Engineering 2017.
- Published Journal on “Tracking and detection of Automatic Vehicle Locking Mechanism for Negligence of Insurance Payment”,AIIS Journal of Advances in Electronics and communication engineering(JAECE),volume No.4,Issue No.2 ,July-December 2016.(2nd Author)
- A international Level technical conference (ICFTEE2016), presented a paper segmentation of blood vessels and optic discs in retinal images Based on ARM.(09-09-2016)
- Enhancing android camera photography by histogram processing in Dark and Light vision” And also presented and published the above paper in “National Conference on Computing & Communication Engineering (NCCCE 2014) at Agni college of Technology,Thalambur.
- “Advanced Microcontroller based printed cheque or DD Deposit Machine” and Presented in “National Conference on Emerging Trends and Technology in Computer Science” at Shri Andal alagar college of Engineering ,Mamamdur 2014.
- “Soil moisture content based automatic motor starter for irrigation purpose” Presented in “National Conference on Emerging Trends and Technology in Computer Science” at Shri Andal alagar college of Engineering ,Mamamdur 2014.
- Attended workshop on “Fundamentals of Signal and image Processing Using MATLAB Conducted by E.G.S Pillay Engineering College 2012.
- Attended FDP on Wipro learning Mission 10X 2009.
- Attended FDP on “Your Role, Responsibility and Commitment as a faculty” in Mohamed Sathak A.J college of Engineering 2008.
- Guided UG projects -25, PG- projects-5, arranged internship for 32 Students and provided placements for around 10 students.

DECLARATION

I hereby solemnly declare that all the information furnished above is true to the best of my knowledge and belief.

Yours faithfully,

Date:

Place: Chennai

(JAYANTHI.E)

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