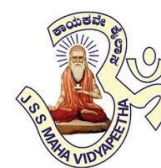




JSS Mahavidyapeetha
JSS Academy of Technical Education, Bengaluru
Department of Electronics & Communication Engineering



FACULTY PROFILE

1. Personal Details

NAME	Dr. ANU H	
DEPARTMENT	ELECTRONICS & COMMUNICATION ENGINEERING	
DESIGNATION	ASSISTANT PROFESSOR	
PHONE	9980674012	
EMAIL ID	anuh@jssateb.ac.in	
TEACHING EXPERIENCE	10	
INDUSTRY EXPERIENCE	3.7	
RESEARCH EXPERIENCE	8	

2. Qualification

COURSES	SPECIALIZATION	INSTITUTION	UNIVERSITY
Ph.D.	Signal Processing & Deep Learning	JSS S&TU	JSS S&TU
M.Tech	Signal Processing & VLSI	SBMJCE	JGI
BE / Diploma / ITI	ECE	SJBIT	VTU
PUC	PCMB	SKCHC	PUC Board
SSLC	State Board	SKCH	SSLC Board

3. Membership of Professional Bodies:

1. Life Membership in Indian Society for Technical Education (MISTE)

4. Awards

Award Title	Date of receiving the award	Award issuing authority/ Body / Organization

5. Publications (Journals Conferences)

i. International Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1.	Cardiac signal classification leveraging spectral optimization with ChebWave and deep blue particle filtering.	H. Anu & Rathnakara Srinivasa Pandit	The International Journal of Artificial Organs	2025	Both		Sage Journals Publisher

2.	Enhanced ECG Signal Classification with CNN-LSTM Networks using Aquila Optimization	H. Anu, S. Rathnakara, and S. Mallikarjunaswamy,	Engineering, Technology & Applied Science Research (ETASR)	vol. 15, no. 3, pp. 23461–23466, Jun. 2025.	Scopus		
3.	Hardware Trojan Detection and Mitigation in NoC using Key authentication and Obfuscation Techniques	Thejaswini P, Vivekananda G, Anu H, Priya R, Krishna Prasad B S, Nischay M	EMITTER International Journal of Engineering Technology,	Vol 10 No 2 (2022)	WoS		EMITTER
4.	Hardware Trojan Detection based on Testability Measures in Gate Level Netlists using Machine Learning	Thejaswini P, Anu H, Aravind H S, D Mahesh Kumar, Syed Asif, Thirumalesh B, Pooja C A, Pavan G R	International Journal of Advanced Computer Science	Volume 13 Issue 12, 2022.	both		Science & information sai organization ltd, 19 bollingrd, bradford, west yorkshire, england, 00000
5.	A Review on Feature Extraction in Arrhythmias of ECG Signals	Dr. Udayashankara	Pensee Journals	VOLUME 51, ISSUE 2 - 2021 – S.No.75		0.6	Pensee
6.	An Adaptive Algorithm Based Authentication System For Real-Time Biometric Time-Attendance System	Dr. Thejaswini P	Information Technology In Industry	2204-0595 / 2203-1731		-	La Trobe Univ, Dept Computer Science & Computer Engineering , Po Box 199, Bendigo, Australia, VIC 3552
7.	Analysis On Recognition And Prevention Of Leaf Diseases Using Machine Learning	Sahana V	International Journal of Research & Technology	Volume 8, Issue 3_May_2020	N	6.8	IJRT
8.	Recognition And Prevention Of Leaf Diseases Using Machine Learning	Sowmya A V	International Journal of Scientific Research and Engineering Development	Volume 3 Issue 3, May – June 2020	N	2.5	IJSRED

ii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Conference	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1.	Novel Concepts in Arrhythmia Detection: Hybrid DL Models Integrated with Farmland Fertility Algo for ECG Signal Segregation	H. Anu & Rathnakara Srinivasa Pandit	Advanced Computing and Communications:	pp 350–361	Scopus		
2.	Smart Kitchen using IoT	H., Anu, H., C.U., Sowmya, C. U., G.K., Siddesh, G. K., Y., Nanjappa, Yashwanth	ACT- 2024	Volume-2, Issue 2, 2024	Scopus	-	

3.	IoT based Water Cleaning System	H., Anu, H., C.U., Sowmya, C. U., G.K., Siddesh, G. K., Y., Nanjappa, Yashwanth	ACT- 2024	Volume-2, Issue 2, 2024	Scopus		
4.	Classification of ECG arrhythmia using Deep Learning Techniques-Review	Anu H and Rathnakara S	ACT- 2024	Volume-2, Issue 2, 2024	Scopus		
5.	Traffic Signal Control System Based On Density With Voice Announcement And Gate Sensing	Anu H , Poornima B G , Kavitha J , Sanjana K , Veena S	ACT- 2024	Volume-2, Issue 2, 2024	Scopus		
6.	Voice Based Controlling of Traffic Signal	H., Anu, H., C.U., Sowmya, C. U., G.K., Siddesh, G. K., Y., Nanjappa, Yashwanth	ACT- 2024	Volume-2, Issue 2, 2024	Scopus		
7.	Wireless Sensing Using MEMS Accelerometer	T.S Srinivasan Naidu, Rohan R Koundinya, Vishnu Manohar Kythala ,Rajath R	5 th National Conference on Advancements in Information Technology NCAIT-2019	10 th & 11 th April, 2019	N	N	
8.	Wireless Sensing Of Gestures Using MEMS Accelerometer	T.S Srinivasan Naidu, Rohan R Koundinya, Vishnu Manohar Kythala ,Rajath R	World Telecommunication and Information Society Day	20 th May, 2019	N	N	-
9.	Blister Testing In Drug Industry	Neha Karamudi, Mourya K Gowda, MahalaxmiSawale, Sonali	National Conference on Technology Innovation (NCTI-2018)	6 th and 7 th June 2018. ISBN 978-93-86638-90-7.	N	N	-
10	CORDIC Architectures: A Review	Anu H, D Mahesh Kumar and D Jayadevappa	Int. Conf. on Signal, Image Processing Communication & Automation, ICSIPCA	6 th and 7 th June 2017.	N	N	Mc Graw Hill
11	Accident Monitoring and Reporting System in Motorcycles	Mrinali M, Nivedha M, Nakul R.B, Ankit R. Nath	Int. Conf. on Signal, Image Processing Communication & Automation, ICSIPCA	6 th and 7 th June 2017.	N	N	Mc Graw Hill

6. Grants/Funding Received

Grant Amount	Project Name	Date of receiving the Grant	Grant issuing authority/ Body / Organization

6.Others: Workshops / Conference (Organized/Attended)

6.a. Workshops / Conference organized

1.	ICSIPCA- Dept of ECE and E&IE on 6 th and 7 th July, 2017,
2.	DST Sponsored Two-week Workshop on – Opportunities and Challenges in Entrepreneurship, 15 th to 27 th March, 2021
3.	

6.b. Conference Attended (those sponsored by AICTE / ISTE/IETE/TEQIP or any other sponsoring body)

Artificial Intelligence- AICTE Training and Learning (ATAL) Academy Online FDP- 02 nd to 06 th Nov, 2020
IETE Technical programming Python Programming - 20.07.2020 to 24.07.2020
IETE Technical programming Deep Learning and AI using Python- 13.07.2020 to 17.07.2020
Mathematics for Machine Learning - AICTE Training and Learning (ATAL) Academy Online FDP- 18 th to 22 nd Jan, 2021
Hands on Project-Based Approach for Biomedical Signal Analysis using MATLAB- AICTE Training and Learning (ATAL) Academy Online FDP- 01st to 13th Feb,2021.
Conference AIDE – 22-23.12.2022
Conference IN IIIT Bangalore- ADCOM- 19.12.2024

6.c. workshop/ Seminar /Conference Attended (those NOT sponsored by AICTE / ISTE/IETE/TEQIP or any other sponsoring body)

Capacity Building workshop for Assistant professors organized by skillsprout on 09.01.2025 and 10.01.2025 in JSSATE,Bengaluru
MEDTECH CONCELAVE 2024 held on 29-Feb-2024 organised by Computer Society of India Bangalore Chapter
"AI, ML and DS for Engineering Applications" from May 2, 2024, to May 11, 2024, organized by the Department of CSE, NIT Warangal, Warangal - 506004, Telangana and Department of ECE, SJB Institute of Technology, Bengaluru, Karnataka.
Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization- Coursera, July 03, 2020
Neural Networks and Deep Learning- Coursera, June 18, 2020
Introduction to Graph Theory- Coursera, July 10, 2020
Introduction to Machine Learning- Coursera, May 27, 2020
Biomedical Signal Processing - NPTEL, Bengaluru, Jan – Mar 2020
Machine Learning - NPTEL, Bengaluru, Jan – Mar 2020
Machine Learning and Data Analytics using Python- IIT,Roorkee, 23.04.2020 to 01.05.2020
2 Weeks FDP on Python - JSSATE, Noida in association with IIT, Bombay, 22.06.2020 to 04.07.2020
Non-Linear Biomedical Signal Processing - RIT, Bengaluru, 06.01.2020 to 11.01.2020
Digital and Analog IC Design Flow using Cadence Tool - JSS S&TU, 08.07.2019 to 12.07.2019
Data Analytics, Machine Learning and Applications in Engineering - SJCE, Mysuru, 10.01.2019 to 16.01.2019
Biomedical Signal Processing - BNMIT, Bengaluru, 11.06.2018 to 15.06.2018
Embedded System Design for IoT - IIT, Kanpur, 25.06.2017 to 29.06.2017
Short term Course- "Enhancing Pedagogical Skills"- JSS Academy of Technical Education, Bengaluru, 17-1-2017 to 21-1-2017
FDP on "Strengths Based Personality Development"- SJCE Mysore, 28-12-2016 and 31-12-2016 to 03-01-2017 (5 days)

6.d. PROJECT / Innovations/Patents

"Urban Intelligent Parking Guidance System Based On Narrowband Internet Of Things (NB-IoT)",
"System to Monitor Temperature Of Granary Using Narrowband Internet Of Things (IOT)"

6.e. Any other information you will like to share about your professional experience