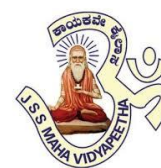





JSS Mahavidyapeetha
JSS Academy of Technical Education, Bengaluru
Department of Electronics & Communication Engineering



FACULTY PROFILE

1. Personal Details

| | | |
|---------------------|---|---|
| NAME | MRS. ANU H |  |
| DEPARTMENT | ELECTRONICS & COMMUNICATION ENGINEERING | |
| DESIGNATION | ASSISTANT PROFESSOR | |
| PHONE | 9980674012 | |
| EMAIL ID | anuh@jssateb.ac.in | |
| TEACHING EXPERIENCE | 8 | |
| INDUSTRY EXPERIENCE | 3.7 | |
| RESEARCH EXPERIENCE | 6 | |

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. | Hardware Trojan Detection and Mitigation in NoC using Key | Thejaswini P, Vivekananda G, Anu H, Priya R, Krishna | EMITTER International Journal of | Vol 10 No 2 (2022) | WoS | | EMITTER |

| | | | | | | | |
|----|---|--|--|-------------------------------------|------|-----|--|
| | authentication and Obfuscation Techniques | Prasad B S, Nischay M | Engineering Technology, | | | | |
| 2. | 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 |
| 3. | 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 |
| 4. | 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 |
| 5. | 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 |
| 6. | 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. | 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 | - | |
| 2. | 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 | | |
| 3. | Classification of ECG arrhythmia using Deep Learning Techniques- Review | Anu H and Rathnakara S | ACT- 2024 | Volume- 2, Issue 2, 2024 | Scopus | | |
| 4. | Traffic Signal Control System Based On Density | Anu H , Poornima B G , Kavitha J , Sanjana K , Veena | ACT- 2024 | Volume- 2, Issue 2, 2024 | Scopus | | |

| | | | | | | | |
|-----|---|---|---|---|--------|---|--------------|
| | With Voice Announcement And Gate Sensing | S | | | | | |
| 5. | 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 | | |
| 6. | 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 | |
| 7. | 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 | - |
| 8. | Blister Testing In Drug Industry | Neha Karamudi, Mourya K Gowda, MahalaxmiSawale, Sonali | National Conference on Technology Innovation (NCTI-2018) | 6th and 7th June 2018. ISBN 978-93-86638-90-7. | N | N | - |
| 9. | CORDIC Architectures: A Review | Anu H, D Mahesh Kumar and D Jayadevappa | Int. Conf. on Signal, Image Processing Communication & Automation, ICSIPCA | 6th and 7th June 2017. | N | N | Mc Graw Hill |
| 10. | 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 | 6th and 7th 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 |
| 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 |
| 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 |
| 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