

## Academics

Subjects taught

Analog Communication

Analog Electronic Circuits

Antennas and wave propagation

Basic Electronics

CMOS VLSI Design

Communication System

Cryptography

Digital Communication

Digital Electronic Circuits

Digital System Design

Digital design using HDL

Digital VLSI Design

Electronic devices and circuits

Electronic circuits

Elements of Electronic Engineering

Field theory

Image processing

Information theory and coding

Linear Integrated Circuits

Line communication

Low power VLSI Design

Material Science

MEMS

Mechatronics

Power Electronics

Radiating systems

Research methodology

Testing and verification of VLSI Circuits

TV Engineering

VHDL

VLSI Design

1) Ph D Guidance-Co-guide Nagaraja Rao

Devaki madhav, “Impact of Scientific Pranayama on Thyroid disorders”, Yoga University of Americas, Florida , USA October 2020.

2) Ph D Guidance

Manasa M G, “ Design of an efficient architecture for multimodal biometric system”, Visveswaraya Technological University, Belagavi (submission stage)

Judge-Project Expo-2022 A National level project competition and exhibition organized by Department of Computer Science and Engineering, SJCE, JSS Science and Technology University, Mysuru sponsored by AICTE- Scheme for promoting interests, creativity and ethics among students (AICTE-SPICES) on 28 June 2022.8.4

#### Awards

7) Participated as Faculty Advisor for AeroJC students for SAE Aero Design East Competition held at Fort Worth, Texas, USA from 20- 22 May 2022, JSSSTU stood 4th in Technical presentation out of 20 teams across the world.

6) Certificate of Appreciations as Member-Local Organizing committee, “Medical Device Hackathon (MEDHA) Stage 1 held from 14 to 28 May 2022 by BETIC, IIT Bombay, Mumbai and JSS College of Pharmacy, JSS Academy of Higher Education and Research, Mysuru.

5) International Scientist Awards 2021 on Engineering, Science and Medicine 28 -29 Aug 2021, Trivandrum, India, “Women Researcher Award”.

4) Participated in Azadi Ka Amrit Mahotsav, FIT INDIA Freedom Run 2.0 event organized by JSS Science and Technology University, Mysuru, Karnataka 13 Aug- 2 Oct 2021

3). Dr Gaytahri S and Anala : “An Approach to Mathematically Correlate the Time of a Transaction Between Pre-silicon and Post-silicon Environments”, Id 150 ( SI No 45) , ICACi July 18-19 2019 , GSSS Mysuru

2). Under my guidance , 4<sup>th</sup> Sem EC students Ankit G A, Charan S, Raghavendra Handral and Suhas R secured second place with cash prize of 25,000/- in “Pravega-2019 : Innovation summit competition” held at IISc in January 18<sup>th</sup> -19<sup>th</sup> 2019.

1). S.Gayathri and V.Sridhar, “Image Enhancement Technique for Fingerprint Recognition Process “, International Conference on Engineering and Applied Science, ICEAS-2014, IRD India, Bangalore, 13<sup>th</sup> July 2014, ISBN: 978-3-643-24819-09, Volume-I, pp 48-53.

#### Invitation

| SI.NO | Name of training/workshop | Year/Duration | Organizers |
|-------|---------------------------|---------------|------------|
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| 39 | IEEE International Conference on Knowledge Engineering and Communication Systems during in association with IEEE Bangalore Section                                                                | December 28 - 29 2022  | Reviewer<br>SJCIT,<br>Chickballapur                                               |
| 38 | Fourth International Conference on “Emerging Research in Electronics, Computer Science and Technology                                                                                             | 26-27 Dec 2022         | Reviewer<br>PESCE, Mandya                                                         |
| 37 | Advances in VLSI, Signal Processing, Power Electronics, IoT, Communication and Embedded Systems”                                                                                                  | December 22-23, 2022   | Reviewer<br>N.M.A.M. I.T<br>NITTE, India                                          |
| 36 | Second International Conference on Mobile Networks and Wireless Communications                                                                                                                    | 3-4 Dec 2022           | Reviewer<br>SSIT, Tumkur                                                          |
| 35 | Advances in VLSI, Signal processing, Power Electronics, IoT, Communication and Embedded Systems (VSPICE)                                                                                          | 22-23<br>December 2022 | Reviewer<br>Nitte,India                                                           |
| 34 | 7 International Conference on Electronics, Computing and Communication Technologies, IEEE CONNECT                                                                                                 | Oct 2022               | Reviewer<br>MysuruCon<br>SubSection                                               |
| 33 | IEEE International conference on Data science and Information Systems                                                                                                                             | 29-30 July 2022        | Reviewer<br>MCE Hassan                                                            |
| 32 | 3 International Conference on Microelectronics, Computing Systems, Machine Learning & Internet of Things (MCMII-2022) Technical Session 1: Section A:<br><br>Microelectronics & Computing Systems | 17September<br>2022    | Reviewer<br><br>Indian Society<br>for VLSI<br>Education ,<br>Ranchi,<br>Jharkhand |

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|    | 3 International Conference on<br>Microelectronics, Computing<br>Systems, Machine<br><br>Learning & Internet of Things<br>(MCMI-2022) Technical Session 1:<br>Section A:<br><br>Microelectronics & Computing<br>Systems | 17September<br>2022                                    | Session Chair<br><br>Indian Society<br>for VLSI<br>Education ,<br>Ranchi,<br>Jharkhand |
| 31 | International Conference on Mobile<br>Networks and Wireless<br>Communications in association IEEE<br>Bangalore section                                                                                                 | 3-4 December<br>2021                                   | Reviewer<br><br>SSIT, Tumkur                                                           |
| 30 | International Conference on Mobile<br>Networks and Wireless<br>Communications                                                                                                                                          | 3 -4 December<br>2021                                  | Session Chair<br><br>SSIT, Tumkur                                                      |
| 29 | IEEE MYSURUCON 2021-The First<br>Edition of the Flagship International<br>Conference Series of IEEE Mysore Sub<br>Section in association with IEEE<br>Bangalore                                                        | 24 -25 October<br>2021                                 | Reviewer<br><br>NAVKIS College<br>of Engineering,<br>Hassan                            |
| 28 | 7 International Conference on<br>Electronics, Computing and<br>Communication Technologies, IEEE<br>CONNECT                                                                                                             | 9 - 11July 2021                                        | Reviewer<br><br>IEEE Bangalore<br>Section                                              |
| 27 | 11 <sup>th</sup> National Women's Science<br>Congress' Session Chair                                                                                                                                                   | 9 <sup>th</sup> – 11 <sup>th</sup><br>November<br>2019 | JSS Women<br>College,<br>Saraswathipuram,<br>Mysuru                                    |
| 26 | International Conference on Sensor<br>Networks and Signal Processing<br>(SNSP)                                                                                                                                         | 2018                                                   | Editorial Board<br>member                                                              |
| 25 | Journal of Real-Time Image<br>Processing                                                                                                                                                                               | 2018                                                   | Editorial board<br>member                                                              |
| 24 | 8 <sup>th</sup> International conference                                                                                                                                                                               | 14 <sup>th</sup> -15 <sup>th</sup> May<br>2018         | Reviewer<br>NMANIT, Nitte                                                              |

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| 23 | Innovative Ideas in Engineering and Technology 2018                                                                                    | 12 <sup>th</sup> – 13 <sup>th</sup><br>April 2018                        | Session chair<br>RYMEC, Bellari |
| 22 | ICEECCOT-2017_paper_2, 18 and 39                                                                                                       | December 15 <sup>th</sup> -16 <sup>th</sup> , 2017                       | Reviewer<br>GSSSIETW<br>Mysuru  |
| 21 | International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques                               | 15 <sup>th</sup> – 16 <sup>th</sup><br>December<br>2017<br>Session Chair | GSSS, Mysuru                    |
| 20 | IEEE International Conference on Current Trends in Computer, Electrical, Electronics and Communication                                 | 8 <sup>th</sup> – 9 <sup>th</sup><br>September<br>2017 Session<br>Chair  | VVCE, Mysuru                    |
| 19 | Journal of Real-Time Image Processing<br>RTIP-D-17-00200                                                                               | July 2017                                                                | Reviewer                        |
| 18 | International Conference “ Innovation and Discoveries in Engineering and Technology                                                    | 18 <sup>th</sup> May 2017<br>Session Chair                               | VVIET<br>Mysore                 |
| 17 | International Conference on Emerging Trends in Engineering Paper id:36, :46, 48, 97<br>Editorial Committee and Reviewer                | 12 <sup>th</sup> May, 2017                                               | NMANIT<br>Nitte                 |
| 16 | 2 <sup>nd</sup> International Conference: Signal And Image Processing                                                                  | 18 <sup>th</sup> -19 <sup>th</sup><br>August 2017<br>Session Chair       | MIT<br>Mysuru                   |
|    | SCIREA Journal of Electrics, Communication                                                                                             | April 2017                                                               | Editorial Board                 |
| 15 | National Conference on “ Emerging Trends In Wireless Communication And Signal Processing” Steering Committee member                    | 17 <sup>th</sup> -18 <sup>th</sup><br>March 2017                         | NMANIT<br>Nitte                 |
| 14 | Zonal Level Workshop on “ Android and its Applications<br>Advisory Committee                                                           | 21 <sup>st</sup> – 22 <sup>nd</sup><br>January 2017                      | IETE<br>Mysuru                  |
| 13 | Journal of Real-Time Image Processing<br>RTIP-D-17-00300                                                                               | Jan 2017                                                                 | Reviewer                        |
| 12 | International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques<br>paper_82,90,97,101,103,104 | 9 <sup>th</sup> – 10 <sup>th</sup><br>December<br>2016                   | GSSS,<br>Mysuru                 |
| 11 | Journal of Real-Time Image Processing                                                                                                  | 2016                                                                     |                                 |

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| 10 | 2 <sup>nd</sup> International conference on Emerging research in Electronics, computer science and Technology- IEEE sponsored | 17 <sup>th</sup> -18 <sup>th</sup> December 2015 | PESCE Mandya, Karnataka, India |
| 9  | International Conference on Industrial Instrumentation and Control                                                            | 28 <sup>th</sup> to 30 <sup>th</sup> May 2015    | Pune                           |
| 8  | SMCE                                                                                                                          | 2015                                             |                                |
| 7  | WCI                                                                                                                           | 2015                                             | Delhi                          |
| 6  | WCI                                                                                                                           | 2015                                             | Kerala, India                  |
| 5  | International Conf on Contemporary Computing & Informatics Chaired 2 sessions                                                 | 28 <sup>th</sup> November 2014                   | IC3I 2014 SJCE, Mysore         |
| 4  | Workshop on computational Intelligence                                                                                        | 2014                                             | Delhi, India                   |
| 3  | International conference on current trends in Engineering and management (VLSI Track) Chaired 2 sessions                      | 13 <sup>th</sup> July 2012                       | VVCE Mysore                    |
| 2  | 2 <sup>nd</sup> National Women's Science Congress Chaired a session                                                           | 7 <sup>th</sup> to 9 <sup>th</sup> November 2009 | AIISH Mysore                   |
| 1  | 2 <sup>nd</sup> National Women's Science Congress Plenary Lecture                                                             | 7 <sup>th</sup> to 9 <sup>th</sup> November 2009 | AIISH Mysore                   |

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| 19    | International Women's Day | 21 - 25 March 2022 | University campus    | SJCE JSSSTU Mysuru |
| 18    | SAE Aero Design East      | 20 -22 May 2022    | Fort WorthTexas, USA |                    |
| 17    | BOS-B Sc                  | 2021               | UoM                  |                    |
| 16    | BOS-B Sc                  | 2020               | UoM                  |                    |
| 15    | Board of Examination      | October2018        | PESCE, Mandya        |                    |

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| 14 | Invited talk-VLSI Design                                   | Aug 2018                                                      | SDM Mysuru                  |  |
| 13 | Board Of Studies-PG                                        | 13 <sup>th</sup> June 2018                                    | NMAMIT, Nitte               |  |
| 12 | Board of Examination-UG                                    | 5 <sup>th</sup> May 2018                                      | MCE Hassan                  |  |
| 11 | BOE- PG                                                    | 2 <sup>nd</sup> May 2018<br>8 <sup>th</sup> December 2017     | NMANIT, Nitte               |  |
| 10 | Board of studies-PG                                        | November 19 <sup>th</sup> 2017                                | NMAMIT, Nitte               |  |
| 9  | BOE-UG                                                     | 13 <sup>th</sup> November 2017                                | MCE Hassan                  |  |
| 8  | BOS- PG                                                    | 19 <sup>th</sup> May 2017                                     | NMANIT, Nitte               |  |
| 7  | BOE                                                        | 22 <sup>nd</sup> April 2017                                   | MCE Hassan                  |  |
| 6  | BOE- PG                                                    | 31 <sup>st</sup> March 2017<br>21 <sup>st</sup> November 2016 | NMANIT, Nitte               |  |
| 5  | Judge -ViVacious (Project Exhibition)                      | 6 <sup>th</sup> May 2015                                      | VVCE, Mysore                |  |
| 4  | BOE-PG                                                     | 25 <sup>th</sup> November 2015                                | PESCE Mandya                |  |
| 3  | BOE in Electronics (PG)                                    | 2013, 2012, 2011                                              | Hema Gangotri Hassan        |  |
| 2  | BOE in Speech & Hearing/ Sp language pathology & Audiology | Dec-2010/Jan-2011 May/June 2010                               | AIISH Mysore                |  |
| 1  | BOE in Electronics (UG)                                    | 12 <sup>th</sup> -17 <sup>th</sup> March 2007                 | University of Mysore Mysore |  |