



CURRICULUM VITAE

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| Name: | Dr. Shreevijay Ittannavar | |
| Designation: | Associate Professor | |
| Department: | Electronics and Communication Engineering | |
| Specialization & Research Interests: | Digital Signal Processing Image Processing | |
| Email IDs (Official & Personal) | ssittannavar.ece@hsit.ac.in ishreevijay@gmail.com | |
| Mobile No.: | 9964299498 | |
| Address: | At/Post: Old Staff Quarters, HIT, Nidasoshi Taluk: Hukkeri District: Belagavi Karnataka - 591236 | |

2. ACADEMIC QUALIFICATION (in reverse Chronological order):

| Degree | Year | University/Board |
|--------------------------------------|------|----------------------------|
| Ph.D. | 2022 | VTU, Belagavi |
| M. Tech. (Digital Signal Processing) | 2012 | Jain University, Bangalore |
| B.E. (ECE) | 2010 | VTU, Belagavi |

3. ANY OTHER QUALIFICATION: ---**4. PROFESSIONAL EXPERIENCE:**

| Organization/Institute/University | Position Held | Duration |
|----------------------------------------------|---------------------|--------------------------|
| Hirasugar Institute of Technology, Nidasoshi | Lecturer | 15-01-2013 to 31-07-2015 |
| Hirasugar Institute of Technology, Nidasoshi | Asst. Professor | 01-08-2015 to 31-07-2023 |
| Hirasugar Institute of Technology, Nidasoshi | Associate Professor | 01-08-2023 to till date |

5. ADMINISTRATIVE ASSIGNMENTS:

| Position Held | Duration | Nature of Work |
|-----------------------------------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| ISTE Convener | 2017 to till date | Conducting Activities under ISTE Student Chapter. |
| Dept. EMS Coordinator | 2014 to till date | EMS Coordinator work includes filling department students exam form, revaluation form, IA Marks submission to VTU, Student resume submission etc. |
| Chief Editor for Department News Letter | 2015 to till date | Department News Letter helps in showcasing the activities done and the achievements made by the students, faculty, and staff members. |
| Dept. IA Coordinator | 2016 to till date | This work includes preparation of IA time table and sitting arrangement for smooth conducting IA exams. |
| Dept. NBA C-4 Coordinator | 2017 to till date | Collect the student's information's & contributions details (Admission and Result Analysis). |

6. COURSES TAUGHT:

- Digital Signal Processing
- Signals and systems
- Digital Communication
- Image Processing
- Multimedia Communication
- DSP Algorithms and Architectures
- Digital Switching Systems
- Information Theory and Coding
- Radar Engineering
- Power Electronics and Instrumentation
- Fiber optics and Networks

7. RESEARCH SUPERVISION:**A. Ph.D.:**

- i. Awarded : ---
- ii. Submitted : ---
- iii. Ongoing : ---

B: M.Tech.

- i. Awarded : ---
- ii. Submitted : ---
- iii. Ongoing : ---

C. BE/B.Tech Degree Oriented (Bachelor Level Dissertation):

- i. Awarded : 09
- ii. Submitted : 01
- iii. Ongoing :--

8. CONTRIBUTION TO CORPORATE LIFE OF THE INSTITUTE:

9. MEMBERSHIP OF SOCIETIES/PROFESSIONAL BODIES:

- Life time member of “Indian Society for Technical Education”, with Membership ID: LM101077.

10. PUBLICATIONS:**A. BOOKS/MONOGRAPHS:**

1. Authored:

2. Edited:

B. PAPERS IN REFEREED/PEER REVIEWED JOURNALS:

1. S. S. Ittannavar, R. H. Havaladar, "Segmentation of Breast Masses in Mammogram Image Using Multilevel Multiobjective Electromagnetism-Like Optimization Algorithm", BioMed Research International, vol. 2022, Article ID 8576768, 14 pages, 2022. <https://doi.org/10.1155/2022/8576768>. (Scopus and Web of Science Indexed, SCIE)
2. S. S. Ittannavar, R. H. Havaladar "Detection of Breast Cancer using Infinite feature selection with Genetic Algorithm and Deep Neural Network" Distributed and Parallel Databases- An International Journal of Data Science, Engineering and Management, <https://doi.org/10.1007/s10619-021-07355-w>. (Scopus and Web of Science Indexed, SCIE)
3. S. S. Ittannavar, R. H. Havaladar "Comparative Assessment of Image Processing Techniques for the Early Detection of Breast Cancer: A Review" WoS Journal Bioscience Biotechnology Research Communications Journal, Special Issue 13, Vol. No 13 (2020) PP 181-194, DOI: <http://dx.doi.org/10.21786/bbrc/13.13/12>. (Web of Science Indexed, ESCI)

4. Shreevijay S Ittannavar, Raviraj H Havaladar and Bhavaling Alias Pratima Khot “A Research on Breast Cancer Detection using Mammography”, International Journal of Innovative Technology and Exploring Engineering (IJITEE) vol.9, issue no. 1, pp.3459-3463 November 2019. [ISSN: 2278-3075] **(Scopus Indexed)**.
5. S. S. Ittannavar, B. P. Khot and R. H. Havaladar “Comparative Analysis of Mammogram Enhancement using Weiner filter for Early Detection of Breast Cancer”, A Journal Of Composition Theory vol.12, issue no. 6, pp.90-93, June 2019. [ISSN: 0731-6755].
6. B. P. Khot and S. S. Ittannavar, “Accident Prevention and Security System for Vehicles using Multi Sensors”, International Journal of Emerging Technologies and Innovative Research, vol.6, Issue 6, pp. 413-416, June 2019. [ISSN: 2349- 5162].
7. D. B. Madihalli, D. M. Kumbhar, P. V. Patil, S. S. Ittannavar, “ Agricultural Robot”, Journal of Emerging Technologies and Innovative Research, Volume 5, Issue 9, pp. 292-294, September 2018, [ISSN : 2349-5162].
8. D. B. Madihalli, S. S. Ittannavar, “Arduino based automated sericulture system ” Journal of Advances in Science & Technology, Vol. 14, Issue No. 1, pp. 39-42, June 2017, [ISSN 2230-9659].
9. S. S. Ittannavar, R. H. Havaladar “Comparative Study of Mammogram Enhancement Techniques for Early Detection of Breast Cancer” International Journal of Technology and Science, Vol. 9, Issue 1, 2016 pp. 5-8, May 2016, [ISSN 2350-1103].
10. V. M. Bastawadi, S. R. Daddimani, S. S. Ittannavar. “Analysis of Motion Estimation and Compensation for Video Compression” Journal of Advances in Science and Technology, Vol. No 12, pp. 246-251, Issue 25, (Special Issue) December 2016, [ISSN 2230-9659].
11. J. J. Lokare, Y. B. Torase, S. S. Ittannavar. “Comparative Study of Spatial Domain Image Enhancement Techniques” Journal of Advances in Science and Technology, Vol. No 12, pp. 284-287, Issue 25, (Special Issue) December 2016, [ISSN 2230-9659].
12. Pratima Khot, Rashmi V. Pawar, S. S. Ittannavar and A. S. Jadhav “Sub-Pixel search Motion Estimation Algorithms in Video Compression”, International Journal of Emerging Trends in Electrical and Electronics (IJETEE) vol. 11, issue no. 6, pp. 11-16, October-2015, [ISSN: 2320-9569].
13. D. B. Madihalli, S. S. Ittannavar, “Smart Water Supply Management”, International Journal of Emerging Trends in Electronics & Communication (IJNTEC) , Vol. 3 , Issue No. 2, pp. 6-8, August 2015 ,[ISSN 2347-7334].

14. S. S. Ittannavar, R. H. Havaldar and Pratima Khot “Reducing Computation Complexity Using Adaptive Rood Pattern Search Algorithm in Video Compression”, International Journal of New Technologies in Science and Engineering, vol. 2, issue no. 2, pp. 60-65, August-2015, [ISSN: 2349-0780].

C. PAPERS IN CONFERENCES PROCEEDINGS:

1. S. S. Ittannavar, B. P. Khot and R. H. Havaldar “Deep Learning Based Approach for Enforcement of Traffic Rules” International Conference on Advances in Communication and Computing using Artificial Intelligence and Data Science (ICACCAD-2022) SNS College of Technology, Coimbatore 15th and 16th September 2022.
2. S. S. Ittannavar, B. P. Khot and R. H. Havaldar “Classification of Covid-19 for chest X-Ray images using Deep Learning” International Conference on Technological Emerging challenges in computer science and engineering (ICTECCSE-2K21) Tirumala Engineering College Jonnalagadda, Andhra Pradesh 20th and 21st October 2021.
3. S. S. Ittannavar, R. H. Havaldar, B. P. Khot “Deep Convolution Neural Networks for Early Detection of Breast Cancer” International Conference on Computing, Communication and Information Technology on 30th & 31st July 2020 at Chennai Institute of Technology, Chennai.
4. S. S. Ittannavar, R. H. Havaldar, B. P. Khot “Comparative Analysis of Mammogram Enhancement using Weiner filter for Early Detection of Breast Cancer” 2nd International Conference on Recent Innovations in Engineering, Science and Technology (ICRIET-2019) on 18th & 19th July 2019 at HSIT Nidasoshi. **(Best Paper Award)**.
5. Sangamesh Udageri, Vinod Jadhav, S. S. Ittannavar, D B Madihalli and B.P. Khot “Comparative Analysis of Filtering Techniques for Ultrasound Images Of Bone fracture”, Two days National Conference on Recent Advancements & Innovations in Electronics & Communication - RAIEC 2018 in KLE College of Engineering & Technology, Chikodi, 9th & 10th March 2018.
6. V. M. Bastawadi, S. R. Daddimani, S.S.Ittannavar. “Analysis of Motion Estimation and Compensation for Video Compression” International Conference on October 8 th and

- 9th at H.I.T Nidasoshi, Karnataka, India and published in Journal of Advances in Science and Technology, ISSN 2230-9659, Volume No 12, pp. 246- 251, Issue 25, (Special Issue) December 2016.
7. J. J. Lokare, Y. B. Torase, S. S. Ittannavar. "Comparative Study of Spatial Domain Image Enhancement Techniques" International Conference on October 8th and 9th at H.I.T Nidasoshi, Karnataka, India and published in Journal of Advances in Science and Technology, ISSN 2230-9659, Volume No 12, pp. 284- 287, Issue 25, (Special Issue) December 2016.
 8. S. S. Ittannavar, R. H. Havaladar. "Comparative Study of Mammogram Enhancement Techniques for Early Detection of Breast Cancer" International Conference on May 21st at KLESCET Belagavi, Karnataka, India and published in International Journal of Technology and Science, ISSN (Online) 2350-1111, (Print) 2350-1103 Volume IX, pp. 5-8, Issue 1, 2016.
 9. Pratima Khot, S. S. Ittannavar and R. H. Havaladar "Fast Full Search Motion Estimation in Video Compression", International Conference on Emerging Trends in Engineering Sciences ICETES 2015 in Jain Engineering College Belgaum, 25th April 2015.

11. Patents/Copyrights/IPR (If Any)

Title: Detection of Breast Cancer in Digital Mammograms Using Deep Learning Algorithm.

Application No.: 202141026197

Publication Date: 25-06-2021

12. INVITED TALKS:

Organized:

1. Organized International Webinar of the topic "Applying Vedic Wisdom for Professional Success" on August 12th, 2020 held at HSIT, Nidasoshi. Resource Person: Dr. P. R. Mukund, Professor, Dept. of Electrical Engineering Rochester Institute of Technology, USA.
2. Organized 3 Days National Level online FDP on "Advanced Research Trends in Image Processing" from 14th to 16th July, 2020 held at HSIT, Nidasoshi.
3. Organized Webinar of the topic "How to Crack GATE Exam" on June 28th, 2020 held at HSIT, Nidasoshi.
4. Organized Webinar of the topic "Career after Covid-19" on June 21st, 2020 held

at HSIT, Nidasoshi.

5. Organized Four days workshop under ISTE Student Chapter for the topic “Python Programming” from 19/09/2019 to 22/09/2019 by the resource person Mr. Shitalkumar Borganve, HCL Technologies, Bangalore held at HSIT, Nidasoshi.
6. Organized Three days workshop under ISTE Student Chapter for the topic “PCB Designing and Testing” from 01/03/2019 to 03/03/2019 by the resource person Mr. Tulshidas Salunke, CEO, Electrosal Hi Tech Pvt. Ltd. Nipani, held at HSIT, Nidasoshi.
7. Organized Seminar on “PCB Designing” on 27/04/2018 by the resource person Mr. Tulshidas Salunke, CEO, Electrosal Hi Tech Pvt. Ltd. Nipani, held at HSIT, Nidasoshi.
8. Organized Seminar on “Effective Project Report Writing in Compliance with Plagiarism Check” on 10/05/2018 by the resource person Dr. Suresh Jangamshetti, Professor, Electrical and Electronics Engineering Department, BEC Bagalkot, held at HSIT, Nidasoshi.
9. Organized STTP on “ Full Stack Web Development” from 15/12/2023 to 18/12/2023 by the Resource Person Mr. Shivaraj M. A. IR Software Solutions, Bengaluru, held at HSIT, Nidasoshi.

13. RESEARCH PROJECTS (COMPLETED/ONGOING):

- Programme Coordinator for Rs. 20 Lakhs research infrastructure fund from KSTePS– (Karnataka Science & Technology Promotion Society) earlier VGST (Vision Group on Science & Technology), Govt. of Karnataka, under the scheme K-FIST(L1)-Karnataka Fund for Infrastructure Strengthening in Science & Technology (Level1)

14. PARTICIPATION & PRESENTATIONS IN

SEMINARS/SYMPOSIA/WORKSHOPS/ CONFERENCES:

| Sl. No. | Topic | Period | | Venue |
|---------|--------------------------------------------------------------------------------------------|------------|------------|--------------------|
| | | From | To | |
| 1 | Three days online FDP on “Quantum Computing” | 25/07/2020 | 27/07/2020 | Online VCE, Mysuru |
| 2 | Five days online FDP on “Artificial Intelligence & Natural Language Processing” | 12/07/2020 | 16/07/2020 | Online VCE, Mysuru |
| 3 | Five days online FDP on “Advances in Artificial Intelligence, Machine Learning & Robotics” | 06/07/2020 | 10/07/2020 | Online VCE, Mysuru |

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| 4 | Webinar on " Education Abroad" | 06/07/2020 | 06/07/2020 | Online HSIT, Nidasoshi |
| 5 | National level one week FDP on Recent trends in Data Science" | 01/07/2020 | 05/07/2020 | Online THEEM college of Engineering Mumbai |
| 6 | National Webinar on "Effective and efficient writing of research papers for web of science, Scopus indexed journal and Conference papers using Typeset Research Studio" | 01/07/2020 | 01/07/2020 | Online AISSMS COE, Pune |
| 7 | Two days Nation webinar on "Research Trends in Image Processing & Pattern Recognition" | 29/06/2020 | 30/06/2020 | Online BCE Bangalore |
| 8 | Webinar on " HOW TO CRACK GATE IN FIRST ATTEMPT" | 28/06/2020 | 28/06/2020 | Online HSIT, Nidasoshi |
| 9 | Webinar on "An Introduction and Overview of AWS Cloud Computing Services" | 24/06/2020 | 24/06/2020 | Online VIT, Bangalore |
| 10 | Webinar on "Career After Covid-19" | 21/06/2020 | 21/06/2020 | Online HSIT, Nidasoshi |
| 11 | National Level One-Week Faculty Development Programme on "Machine Learning Based Project Architecture Design", | 15/06/2020 | 19/06/2020 | Online BEC (A) Bagalkot |
| 12 | Two days webinar series on "Recent Trends in Electronics and Communication Engineering" | 11/06/2020 | 12/06/2020 | Online BEC (A) Bagalkot |
| 13 | Webinar on "Design of Analog Layout & Opportunities and Challenges in Semiconductor Domain" | 01/06/2020 | 02/06/2020 | Online KLECET Chikodi |
| 14 | Webinar on "Emerging Trends in Cyber Security" | 17/05/2020 | 17/05/2020 | Online Center for Training and Development |
| 15 | Four days workshop on "Design and Simulation of Micro strip antenna using HFSS simulation tool" | 26/02/2020 | 29/02/2020 | HSIT, Nidasoshi |
| 16 | Four days FDP on "Machine Learning and Data Analytics" | 08/01/2020 | 11/01/2019 | HSIT, Nidasoshi |
| 17 | One week FDP Internet of Things and Its Real Time Applications | 28/02/2019 | 02/02/2019 | HSIT, Nidasoshi |
| 18 | One week AICTE- FDP on for Student Induction on Universal Human Values | 12/07/2018 | 18/07/2018 | BVBCET, Hubballi |
| 19 | Three days AICTE- FDP on for Student Induction on Universal Human Values | 07/06/2018 | 09/06/2018 | KLS, GIT, Belagavi |
| 20 | One week AICTE- QIP Short Term Course on "Biomedical Data Analytics (BioMedics-2017)" | 11/08/2017 | 17/08/2017 | IIT, Kharagpur |
| 21 | One week FDP on "Advanced Digital Signal Processing Techniques for Biomedical | 20/06/2016 | 25/06/2016 | KLEMSSCET, Belagavi |

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| | Research and Applications” | | | |
| 22 | Two Days Workshop on “Professional Android Application Development” | 15/03/2014 | 16/03/2014 | HSIT, Nidasoshi |
| 23 | Two Days FDP on “Advancements In Digital Image Processing and Project Based Teaching-Learning” | 31/05/2013 | 01/06/2013 | SDMCET, Dharwad |
| 24 | One day Workshop on “Speech Processing and Applications” | 21/06/2012 | 21/06/2012 | CMRIT, Bangalore |

15. AWARDS, FELLOWSHIPS & OTHER DISTINCTIONS:

- Secured Best paper award in International Conference on Recent Innovations in Science, Engineering, and Technology (ICRISET-2019) for the paper titled “Comparative Analysis of Mammogram Enhancement using Weiner filter for Early Detection of Breast Cancer” on 18th July 2019.

16. ANY OTHER SIGNIFICANT INFORMATION:

- Fund sanctioned under ISTE Student Chapter for Events as ISTE Convener of the Institute:

| Sl. No. | Event reference Number | Event TITLE | SANCTINED AMOUNT | Year |
|---------|------------------------|----------------------------------------------------------|------------------|------|
| 1 | ISTE/KS/2019/056 | National Level Technical Competition (HSIT QUEST - 2019) | 4,000.00 | 2019 |
| 2 | ISTE/KS/2018/006 | National Level Event (Technovision 2018) | 4,000.00 | 2018 |



Dr. Shreevijay Ittannavar