

CURRICULUM VITAE

Name:	Dr. Shreevijay Ittannavar	
Designation:	Associate Professor	
Department:	Electronics and Communication Engineering	
Specialization & Research Interests:	Digital Signal Processing, Image Processing, Artificial Intelligence, Quantum Computing.	
Email IDs (Official & Personal)	ssittannavar.ece@hsit.ac.in ishreevijay@gmail.com	
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Address:	At/Post: Professor 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
Dean (Student Welfare)	16-12-2024 to till date	Educating, Guiding and monitoring students for International, National, State Level and any other scholarships and Other works related to student activities.

HOD In charge of Electronics and Communication Engineering Department	01-08-2023 to 31-08-2023	Coordinating Academics and Activities in department
ISTE Convener	2017 to till date	Conducting Activities under ISTE Student Chapter.
Dept. EMS Coordinator	2014 to 2023	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 2022	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).
Institute Level Criteria 2 & Criteria 3 Dept. Coordinator for NAAC	2023 to Till date	Collect the student's information's details (Admission). Collect the staff information's details (Related to Research).

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
- Artificial Neural Network
- Principles of Communication System
- MATLAB Programming
- Wireless Communication

7. RESEARCH SUPERVISION:

A. Ph.D.:

- Awarded : ---
- Submitted : ---
- Ongoing : 03

B: M. Tech.

- Awarded : ---
- Submitted : ---
- Ongoing : ---

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

- Awarded : 48
- Submitted : 00
- Ongoing : ---

8.CONTRIBUTION TO CORPORATE LIFE OF THE INSTITUTE:

- Actively contributing to the institutional administration and academic governance as Dean (Student Welfare), ISTE Convener, and departmental coordinator. Played a key role in student welfare initiatives, scholarship guidance, and mentoring for academic and professional development. Contributed significantly to quality assurance processes through NBA and NAAC coordination at department and institute levels. Actively involved in organizing workshops, FDPs, webinars, technical events, and student-centric activities. Supported smooth academic operations through examination coordination, newsletter editing, and departmental academic administration.

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 in Book Chapters:

- i. S.S. Ittannavar, B.P. Khot, “Internet of Things enable wearable sensors for human energy prediction healthcare model”, Editor(s): Keshav Kaushik, Aryan Chaudhary, Connected Diagnoses, Academic Press, 2026, Pages 181-197, ISBN 9780443382994, <https://doi.org/10.1016/B978-0-443-38299-4.00004-7>.
 - ii. Ittannavar, S.S., Khot, B.P., Vishnoi, V.K., Chandurkar, S.S., Mahajan, H. (2024). Early Crop Disease Identification Using Multi-fork Tree Networks and Microbial Data Intelligence. In: Khamparia, A., Pandey, B., Pandey, D.K., Gupta, D. (eds) Microbial Data Intelligence and Computational Techniques for Sustainable Computing. Microorganisms for Sustainability, vol 47. Springer, Singapore. https://doi.org/10.1007/978-981-99-9621-6_18.
 - iii. Bhavaling Alias Pratima Khot, B Shruthi, Mahadevaswamy, Shreevijay S Ittannavar, B P Pradeep Kumar (2025), An efficient hybrid CNN-DNN classifier based PSO algorithm for breast cancer detection, Book titled Recent Trends in Healthcare Innovation, DOI: <https://doi.org/10.1201/9781003501367>.
 - iv. Khot, B. P., Hosamani, R., Ittannavar, S. S., & Arabhanvi, A. B. (2026). Adaptive pre-processing for enhanced wheat disease detection using deep learning. In Information and Communication Systems (pp. 771-779). CRC Press. DOI: <https://doi.org/10.1201/9781003650201-124>
 - v. Arabhanvi, A. B., Hosamani, R., Ittannavar, S. S., & Khot, B. P. (2026). Enhanced wheat leaf disease detection using a modified ResNet-50 architecture with advanced training techniques. In Information and Communication Systems (pp. 780-788). CRC Press. DOI: <https://doi.org/10.1201/9781003650201-125>
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2. Edited: ---

B. PAPERS IN REFEREED/PEER REVIEWED JOURNALS:

- i. 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**)
 - ii. 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**)
 - iii. 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**)
 - iv. 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).
 - v. 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].
 - vi. 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].
 - vii. 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].
 - viii. 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].
 - ix. 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].
 - x. 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].
 - xi. 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].
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- xii. 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].
- xiii. 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].
- xiv. S. S. Ittannavar, R. H. Havaladar 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:

- i. S. S. Ittannavar et. al, "Deep Learning for Computer Vision: Recent Breakthroughs and Emerging Trends," *2023 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICES)*, Chennai, India, 2023, pp. 1-5, DOI: [10.1109/ICES60034.2023.10465486](https://doi.org/10.1109/ICES60034.2023.10465486). **(IEEE Xplore, Scopus Indexed)**.
 - ii. S. S. Ittannavar et. al, “An efficient hybrid CNN-DNN classifier based PSO algorithm for breast cancer detection” (2025). *Recent Trends in Healthcare Innovation: Proceedings of the Annual International Conference on Recent Trends in Healthcare Innovation (AICRTHI 2024)*, Mysuru, India, October 24th –25th, 2024 (1st ed.). CRC Press. <https://doi.org/10.1201/9781003501367> **(Taylor and Francis Scopus Indexed)**.
 - iii. S. S. Ittannavar et. al. “Enhanced Wheat Leaf Disease Detection Using a Modified ResNet-50 Architecture with Advanced Training Techniques” In *International Conference on Information and Communication Systems (ICICS-2025)* February 4th –5th 2025. CRC Press, **(Taylor and Francis, Scopus Indexed)**. DOI:[10.1201/9781003650201-125](https://doi.org/10.1201/9781003650201-125)
 - iv. S. S. Ittannavar et. al. “Adaptive Pre-processing for Enhanced Wheat Disease Detection Using Deep Learning” In *International Conference on Information and Communication Systems (ICICS-2025)* February 4th –5th 2025. CRC Press, **(Taylor and Francis, Scopus Indexed)**. DOI:[10.1201/9781003650201-124](https://doi.org/10.1201/9781003650201-124).
 - v. S.S. Ittannavar, et. al, "Stress Level Estimation among Students via Social Media Patterns Using Hybrid Machine Learning and Neural Architectures," *2025 International Conference on Smart & Sustainable Technology (INCSST)*, Chikodi, India, 2025, pp. 1-6, **(IEEE Xplore, Scopus Indexed)** DOI: <https://doi.org/10.1109/INCSST64791.2025.11210377>
 - vi. S. S. Ittannavar et. al, "Diabetes Prediction Using Classical Machine Learning and Deep Neural Networks: A Comparative Study," *2025 International Conference on Smart & Sustainable Technology (INCSST)*, Chikodi, India, 2025, pp. 1-4, **(IEEE Xplore, Scopus Indexed)**. DOI: <https://doi.org/10.1109/INCSST64791.2025.11210296>
 - vii. S. S. Ittannavar, et.al, "Crop Recommendation Using Comparative Machine Learning Techniques with a Tuned CatBoost Classifier," *2025 International Conference on Smart & Sustainable*
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- Technology (INCSST)*, Chikodi, India, 2025, pp. 1-5, **(IEEE Xplore, Scopus Indexed)**, DOI: <https://doi.org/10.1109/INCSST64791.2025.11210339>.
- viii. D. M. Kumbhar, S. S. Ittannavar et.al. "Dual Band Microstrip Patch Antenna Using Compact Structural Tuning for Smart Wireless Applications" *2nd Asia Pacific Conference on Innovation in Technology (APCIT-2025)* organized by Vidyavardhaka College of Engineering, Mysuru, India, held on 19th–20th, September 2025.. DOI: [10.1109/apcit65661.2025.11410640](https://doi.org/10.1109/apcit65661.2025.11410640).
- ix. S. S. Ittannavar et. al, "Comprehensive Comparative Analysis of Variational Quantum Classifier and Quantum Kernel SVM Under NISQ Noise with Classical Baseline and Statistical Significance Evaluation," *2025 2nd International Conference on Software, Systems and Information Technology (SSITCON)*, Tumkur, India, 2025, pp. 1-5, **(IEEE Xplore, Scopus Indexed)**. **(IEEE Xplore, Scopus Indexed)**. DOI: <https://doi.org/10.1109/SSITCON66133.2025.11341965>.
- x. S. S. Ittannavar et. al. "Optimizing CNN Architectures for Wheat Leaf Disease Identification: Accuracy and Computational Trade-off Evaluation" in *2025 IEEE 4th International Conference for Advancement in Technology (ICONAT)* during 19th to 21st September 2025. DOI:[10.1109/ICONAT66879.2025.11362546](https://doi.org/10.1109/ICONAT66879.2025.11362546), **(IEEE Xplore, Scopus Indexed)**.
- xi. S. S. Ittannavar et. al, "Deep Learning Methods for Liver Tumor Segmentation: An Extensive Investigation and Analysis" in *2025 1st International Conference on Advancement in Futuristic Technologies (ICAFT)* during 19th to 20th December 2025. **(IEEE Xplore, Scopus Indexed)**. DOI:[10.1109/ICAFT66710.2025.11452940](https://doi.org/10.1109/ICAFT66710.2025.11452940).
- xii. S. S. Ittannavar et. al, "Automated Deep Fake Video Detection using Modified Semi Supervised Learning" in *2025 1st International Conference on Advancement in Futuristic Technologies (ICAFT)* during 19th to 20th December 2025. **(IEEE Xplore, Scopus Indexed)**. DOI:[10.1109/ICAFT66710.2025.11452690](https://doi.org/10.1109/ICAFT66710.2025.11452690).
- xiii. B S. S. Ittannavar et. al, "A Hybrid Classical–Quantum Variational Learning Framework for Breast Mass Classification," *2026 4th International Conference on Knowledge Engineering and Communication Systems (ICKECS)*, CHICKABALLAPURA, India, 2026, pp. 1-6, DOI: <https://doi.org/10.1109/ICKECS70176.2026.11527499>. **(IEEE Xplore, Scopus Indexed)**.
- xiv. S. S. Ittannavar et. al, "Degradation-Aware Gearbox Fault Diagnosis Using LOFARgram-Based Band Descriptors and Run-Level Fusion," *2026 4th International Conference on Knowledge Engineering and Communication Systems (ICKECS)*, CHICKABALLAPURA, India, 2026, pp. 1-6, DOI: <https://doi.org/10.1109/ICKECS70176.2026.11528162>. **(IEEE Xplore, Scopus Indexed)**.
- xv. S. S. Ittannavar et. al, "Robustness-Oriented Explainability Analysis of the PHQ-9 Depression Scale Using Ensemble Learning Under Response Perturbations," *2026 4th International Conference on Knowledge Engineering and Communication Systems (ICKECS)*, CHICKABALLAPURA, India, 2026, pp. 1-6, DOI: <https://doi.org/10.1109/ICKECS70176.2026.11527572> . **(IEEE Xplore, Scopus Indexed)**.
- xvi. S. S. Ittannavar et. al, "Multi-Band Noise-Adaptive DEMON with SNR-Weighted Fusion for Bearing Fault Diagnosis," *2026 4th International Conference on Knowledge Engineering and*
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- Communication Systems (ICKECS), CHICKABALLAPURA, India, 2026, pp. 1-6, DOI: <https://doi.org/10.1109/ICKECS70176.2026.11528006>. **(IEEE Xplore, Scopus Indexed)**.
- xvii. S. S. Ittannavar, B. A. P. Khot, S. C. Kesti, R. Hosamani, J. S. Jakati and M. S, "DEMON Envelope Spectrum for Tacholless Shaft-Speed Estimation and Modulation-Based Gearbox Fault Diagnosis," 2026 4th International Conference on Integrated Circuits and Communication Systems (ICICACS), Raichur, India, 2026, pp. 1-7, DOI : <https://doi.org/10.1109/ICICACS68679.2026.11578919>. **(IEEE Xplore, Scopus Indexed)**.
- xviii. A. B. Arabhanvi, S. S. Ittannavar, J. S. Jakati, V. Patil, S. Ranbhare and B. A. P. Khot, "High-Performance UWB Microstrip Antenna Using Gap-Coupled Suspended Technique for 5G Connectivity," 2026 International Conference on Computing Theory and Wireless Communications (ICCTWC), Ichalkaranji, India, 2026, pp. 1-6, **(IEEE Xplore, Scopus Indexed)**. DOI : <https://doi.org/10.1109/ICCTWC68241.2026.11583436> .
- xix. M. U. Phutane, S. A. Pujari, D. Billur, R. R. Maggavi and S. S. Ittannavar, "Disabled Speech Enhancement Using Wavelet Based Soft Thresholding," 2026 International Conference on Computing Theory and Wireless Communications (ICCTWC), Ichalkaranji, India, 2026, pp. 1-4, DOI : <https://doi.org/10.1109/ICCTWC68241.2026.11582931>. **(IEEE Xplore, Scopus Indexed)**.
- xx. S. S. Ittannavar, B. P. Khot and R. H. Havaladar "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.
- xxi. S. S. Ittannavar, B. P. Khot and R. H. Havaladar "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.
- xxii. S. S. Ittannavar, R. H. Havaladar, 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.
- xxiii. S. S. Ittannavar, R. H. Havaladar, 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)**.
- xxiv. 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.
- xxv. 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.
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- xxvi. 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.
- xxvii. 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.
- xxviii. 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. FDP/WORKSHOPS/SEMINAR ORGANIZED:

Organized:

1. Served as a Workshop coordinator for 3 Days “Devops” by Mr. Sandesh D. Manocharya NxtGen Cloud Technologies, Bengaluru Workshop Organised by ECE Department under ECSA, held at HSIT, Nidasoshi on 27/03/2026 to 01/03/2026
2. Organized and served as Convener for a 10-day Faculty Development Program (FDP) on “AI/ML: Foundations, Real-World Applications, and Sustainable Development,” sponsored by the Ministry of Electronics and Information Technology (MeitY), Government of India, conducted by E&ICT Academy, NIT Warangal, in association with Hirasugar Institute of Technology, Nidasoshi, from 2nd April to 11th April 2025.
3. Organized Technical Talk on "Engineering Solutions using Graphical Programming" i by Mr. Sunil Kumar, Founder and CEO of VI Solutions, Bengaluru on 5th July 2024.
4. Organized STTP on “Full Stack Web Development” by Mr. Shivaraj M. IR solutions Bengaluru from 15/12/2023 to 18/12/2023.
5. Organized a webinar on “Introduction to Artificial Intelligence” by Dr. Mahadevaswamy Associate Professor VVCE Mysore on 23/12/2022 in ECE Department HSIT Nidasoshi.
6. Organized webinar on “A Guidance Program on Career Opportunities after B.E.” by ACE Engineering Academy on 16/06/2022. HSIT Nidasoshi.
7. Organized webinar on “Deep learning and Its Applications” on 29/10/2021 in ECE Department HSIT Nidasoshi.
8. 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.

9. Organized 3 Days National Level online FDP on “Advanced Research Trends in Image Processing” from 14th to 16th July, 2020 held at HSIT, Nidasoshi.
10. Organized Webinar of the topic “How to Crack GATE Exam” on June 28th, 2020 held at HSIT, Nidasoshi.
11. Organized Webinar of the topic “Career after Covid-19” on June 21st, 2020 held at HSIT, Nidasoshi.
12. 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.
13. 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.
14. 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.
15. 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.

13. INVITED TALKS / RESOURCE PERSON FDP CONTRIBUTIONS:

1. Served as an Invited Resource Person for ATAL FDP on “Integrating AI & Tele monitoring: Innovations in Smart Healthcare”, delivering an expert session on emerging AI-driven healthcare technologies on 05/02/2026 at BLDES’s Dr. P. G. Halakatti College of Engineering and Technology, Nidasoshi.
2. Invited Resource Person, Faculty Development Programme (FDP) on “Advances of AI for Communication”, Dr. J. J. Magdum College of Engineering, Jaysingpur, Maharashtra, India, Delivered session on “Machine Learning and Signal Processing of Large-Scale Datasets”, 03rd March 2026.

13. RESEARCH PROJECTS (COMPLETED):

- Served as Programme Coordinator for a **₹20 Lakhs research infrastructure grant** from **KSTePS (formerly VGST), Government of Karnataka**, under the **K-FIST (Level-1)** scheme. The project was **successfully completed**, resulting in enhanced research and laboratory infrastructure at the institute.

14. PARTICIPATION & PRESENTATIONS IN

SEMINARS/SYMPOSIA/WORKSHOPS/ CONFERENCES:

Sl. No.	Topic	Period		Venue
		From	To	
1	AI/ML: Foundations, Real-World Applications and Sustainable Development Organized by E&ICT Academy, NIT Warangal	02-04-2025	11-04-2025	Online HSIT, Nidasoshi

2	AICTE Training And Learning (ATAL) Academy FDP on Internet of Things For Sustainable Development	10-12-2024	16-12-2024	Online S.S. E. T'S S. G. B.I.T. Belagavi
3	5 Days International FDP on “NLP and ChatGpt Applications” Organized by SIET Vijayapura and EXCELR EdTech Pvt. Ltd	14-08-2023	19-08-2023	Online SIET Vijayapura
4	IPR awareness/ TRAINING Program under the special mission “National Intellectual Property Awareness Mission (NIPAM)”	12-05-2022	12-05-2022	HSIT, Nidasoshi
5	4 days FDP on “Software Engineering & Testing Methodologies” sponsored by VGST & organized by Department of computer science and Engineering	16-03-2022	19-03-2022	HSIT, Nidasoshi
6	Online 3-Day “FDP on Quantum Computing”	25-07-2021	27-07-2021	Online VCE, Mysuru
7	Five days online FDP on “Artificial Intelligence & Natural Language Processing”	12/07/2020	16/07/2020	VVCE, Mysuru
8	Five days online FDP on “Advances in Artificial Intelligence, Machine Learning & Robotics”	06/07/2020	10/07/2020	VVCE, Mysuru
9	Webinar on " Education Abroad"	06/07/2020	06/07/2020	HSIT, Nidasoshi
10	National level one week FDP on Recent trends in Data Science”	01/07/2020	05/07/2020	THEEM college of Engineering Mumbai
11	Four days workshop on “Design and Simulation of Micro strip antenna using HFSS simulation tool”	26/02/2020	29/02/2020	HSIT, Nidasoshi
12	Four days FDP on ”Machine Learning and Data Analytics”	08/01/2020	11/01/2019	HSIT, Nidasoshi
13	One week FDP Internet of Things and Its Real Time Applications	28/02/2019	02/02/2019	HSIT, Nidasoshi
14	One week AICTE- FDP on for Student Induction on Universal Human Values	12/07/2018	18/07/2018	BVBCET, Hubballi
15	Three days AICTE- FDP on for Student Induction on Universal Human Values	07/06/2018	09/06/2018	KLS, GIT, Belagavi
16	One week AICTE- QIP Short Term Course on “Biomedical Data Analytics (BioMedics-2017)”	11/08/2017	17/08/2017	IIT, Kharagpur
17	One week FDP on “Advanced Digital Signal Processing Techniques for Biomedical Research and Applications”	20/06/2016	25/06/2016	KLEMSSCET, Belagavi
18	Two Days Workshop on “Professional Android Application Development”	15/03/2014	16/03/2014	HSIT, Nidasoshi
19	Two Days FDP on “Advancements In Digital Image Processing and Project Based Teaching-Learning”	31/05/2013	01/06/2013	SDMCET, Dharwad
20	One day Workshop on “Speech Processing and Applications”	21/06/2012	21/06/2012	CMRIT, Bangalore

15. AWARDS, FELLOWSHIPS & OTHER SIGNIFICANT INFORMATION:

- Secured Best paper award in IEEE 4th International Conference on Knowledge Engineering and Communication Systems (ICKECS), 2026 for the paper titled “Robustness-Oriented Explainability Analysis of the PHQ-9 Depression Scale Using Ensemble Learning Under Response Perturbations” on 24-25 April 2026.

- Secured Best paper award in IEEE 4th International Conference on Knowledge Engineering and Communication Systems (ICKECS), 2026 for the paper titled “Multi-Band Noise-Adaptive DEMON with SNR-Weighted Fusion for Bearing Fault Diagnosis” on 24-25 April 2026.
- 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.
- Completed 12 week 3-credit NPTEL Online “Digital Image Processing” Course (Sep-Dec 2020).
- **Projects sanctioned under KSCST Sponsorship.**

Sl. No.	Funding Body/Project reference Number	PROJECT TITLE	Name of the Guide	Name of the Leader	SANCTINE D AMOUNT	Year
1	48S_BE_5082	Automated Kidney Stone Detection Using Deep Learning Model	Dr. S S Ittannavar & Prof. B P Khot	Mr. Vinod Adavi	4500.00	2024-25
2	47S_BE_3863	AI-powered speech based robot for transcription and diagnostic applications in smart healthcare engineering	Prof. B. P. Khot, Dr. S. S. Ittannavar	Ms. Samrudhi S. Kulkarni	5500.00	2023-24



Dr. Shreevijay Ittannavar