



CURRICULUM VITAE

Name:	Smt. Bhavaling Alias Pratima Khot	
Designation:	Assistant Professor	
Department:	Electronics and Communication Engineering	
Specialization & Research Interests:	M. Tech Specialization: Microelectronics and Control Systems Research Interests: Quantum Machine Learning, Digital Image Processing and Biomedical Image Processing.	
Email IDs (Official & Personal)	Official : pratimakhot.ece.@hsit.ac.in Personal : pratimak1128@gmail.com	
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2. ACADEMIC QUALIFICATION (in reverse Chronological order):

Degree	Year	University/Board
Pursuing Ph.D.	2023 (Pursuing From)	Visvesvaraya Technological University, Belagavi
M. Tech.	2015	Visvesvaraya Technological University, Belagavi
B.E.	2013	Visvesvaraya Technological University, Belagavi

3. ANY OTHER QUALIFICATION: NIL

4. PROFESSIONAL EXPERIENCE:

Organization/Institute/University	Position Held	Duration
Dr. A. D Shinde College of Engineering Gadhinglaj	Assistant Professor	04-01-2016 to 26-01-2017
Hirasugar Institute of Technology, Nidasoshi	Assistant Professor	27-01-2017 to Till Date

5. ADMINISTRATIVE ASSIGNMENTS:

Position Held	Duration	Nature of Work
I. SPOC She Innovates HIT, Nidasoshi	2026 to Till Date	Coordinates the She Innovates program at the institution by facilitating student participation, organizing activities, and acting as the liaison between the institution and the VTU program organizers.
II. Institute Women Empowerment committee Member	2017 to Till Now	Organizing events, workshops, and initiatives that address gender-related issues, create awareness, and foster an inclusive environment for the personal and professional development of female students and staff.
III. Institute Student Welfare Committee Member	2023 to Till Now	Enhancing the overall well-being of students by organizing and overseeing various initiatives, events, and support services that contribute to a positive and enriching campus experience.
IV. Institute OBC Cell Representative & Member SC/ST/OBC CELL	2021 to Till 2025	Conveying information regarding Scholarship to students and addressing their concerns.
V. Institute Training and Placement cell member	2023 to till Now	Organizing training programs, and maintaining industry connections to enhance career opportunities for students.
VI. Department NBA Criteria-9 Coordinator	2020 to till Now	Collecting the feedback on faculty and facilities provided. Maintaining Career guidance/training, NSS and alumni association activities information
VII. Department NBA Criteria-5 Coordinator	2017 to 2020	Collecting the faculty information's & contributions details
VIII. Department NAAC Criteria-1 Coordinator	2023 to Till Now	Collecting the DEPARTMENT LEVEL Curricular Planning and Implementation Documents

6. COURSES TAUGHT:

• Introduction to Electronics and communication • Basic Electronics • Control Systems • Computer Organization and Architecture • Operating Systems • Image Processing • Automotive Electronics • Digital Image Processing • High Performance Communication Networks	• Network and Cyber security • Network security • Communication Theory • Principles of Communication system • Computer Networks • Technological Innovation and Management Entrepreneurship • Computer Networks and Protocols
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7. RESEARCH SUPERVISION:**A. Ph.D: NIL**

i. Awarded :

ii. Submitted :

iii. Ongoing :

B: M.Tech: NIL

i. Awarded :

ii. Submitted :

iii. Ongoing :

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

i. Awarded : 40

ii. Submitted :

iii. Ongoing : 4

8. CONTRIBUTION TO CORPORATE LIFE OF THE INSTITUTE:

- Master of Ceremony 4th International Conference on Recent Trends in Engineering & Technology (ICRTET-2025) 7th March 2025
- Master of Ceremony and Session host in International Conference on Recent Trends in Engineering and Technology (ICRTET-2023) 8th and 9th December 2023.
- Session co-coordinator, Two Days International conference on Recent Innovations in Science Engineering & Technology (ICRISET-18) on 18th and 19th May 2018
- Co-Convener, “women’s Day-2018” 10/3/2018
- Department Event Coordinator, HSIT QUEST 2017, 2018, 2019.
- Programming committee member, HSIT SAMBHRAMA 2019.
- Programming committee member, “Talent Hunt-2021” 10th April 2021, HSIT Nidasoshi.
- Member, Sports and Cultural /NSS/Extra Curricular Activities Committee from 2018 to till now.
- Member, Women Empowerment cell, HSIT Nidasoshi. 2017 to till now.
- Member, Industry Institute Interaction Committee ECE department
- Department meeting coordinator from 2019 to till now
- Department Time Table Coordinator from 2020-21 to till now.

- Department NBA Criteria-5 Coordinator from 2017 to 2020.
- Department NBA Criteria-9 Coordinator from 2020 to till now
- Department NAAC Criteria-1 Coordinator from 2023 to till now

9. MEMBERSHIP OF SOCIETIES/PROFESSIONAL BODIES: NIL

10. PUBLICATIONS:

A. BOOKS/MONOGRAPHS:

1. Author in BOOK

- 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.\(2026\)](https://doi.org/10.1016/B978-0-443-38299-4.00004-7.(2026)) (Scopus Indexed).
- II. 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> (Scopus Indexed).
- III. 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> (Scopus Indexed).
- IV. Ittannavar, S.S., Khot, B.P., Vishnoi, V.K., Chandurkar, S. S. Mahajan, H. 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. (2024). (Scopus Indexed).
- V. 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>.

2. Edited: NIL

B. PAPERS IN REFEREED/PEER REVIEWED JOURNALS:

1. 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_188 (Scopus Indexed).
2. S. S. Ittannavar, B. P. Khot, M. Mahadevaswamy and R. H. Havaladar, "Deep Learning for Computer Vision: Recent Breakthroughs and Emerging Trends", 2023 *International Conference on Innovative Computing, Intelligent Communication and Smart Electrical*

- Systems (ICSES), Chennai, India, 2023, pp. 1-5, <https://doi.org/10.1109/ICSES60034.2023.10465486> (Publisher IEEE/IEEE Xplore)
- S.S. Ittannavar, R. H. Havaladar and B. P. Khot “Comparative Assessment of Image Processing Techniques for the Early Detection of Breast Cancer: A Review” Bioscience Biotechnology Research Communications, Biosc.Biotech.Res.Comm. (BBRC) Special Issue Vol. 13 No. 13 (2020) pp. 181-94 <http://dx.doi.org/10.21786/bbrc/13.13/12> (Web of Science Indexed)
3. 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. DOI: [10.35940/ijitee.A4904.119119](https://doi.org/10.35940/ijitee.A4904.119119) (Scopus Indexed)
 4. Prof. B. P. Khot, Aishwarya Kurani, Deeksha Chatra, Ajit Pujeri “A Novel U-Net Based Segmentation Approach for Lung Cancer Detection” *International Journal of Advance Research in Science and Engineering (IJARSE)* Volume. No. 14, Issue No. 03, March 2025
 5. M. A. Khot, B. P. Khot and S.S Ittannavar “Block Matching Algorithms For Motion Estimation And Compensation In Video Compression” *International journal of Advanced Technology in Engineering and Science* vol. no. 11, Issue no. 12 December 2023
 6. S. S. Ittannavar, R. H. Havaladar and B. P. Khot “Comparative Assessment of Image Processing Techniques for the Early Detection of Breast Cancer: A Review” *Bioscience Biotechnology Research Communications (BBRC), Special Issue* vol. 13 issue no. 13 Pp-181-94, December 2020. (Web of Science Indexed) <http://dx.doi.org/10.21786/bbrc/13.13/12>
 7. 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) [http://doi.org/10.35940/ijitee.A4904.119119](https://doi.org/10.35940/ijitee.A4904.119119)
 8. 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] (UGC Care)
 9. 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] (UGC Approved)
 10. J. J. Lokare, Y. B. Torase, R. K. Vaigude, P. R. Narawade, and B. P. Khot "Comparative Analysis of Digital Image Enhancement Techniques", *International Journal of Science & Engineering Development Research*, vol.2, issue no. 7, pp.10-14, June-2017. [ISSN: 2455-2631]
 11. 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]

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]

C. PAPERS IN CONFERENCES PROCEEDINGS:

1. B. P. Khot, 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).
2. B. P. Khot, 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).
3. B. P. Khot, 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).
4. B. P. Khot, 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 Communication Systems (ICKECS), CHICKABALLAPURA, India, 2026, pp. 1-6, DOI: <https://doi.org/10.1109/ICKECS70176.2026.11528006>. (IEEE Xplore, Scopus Indexed).
5. Mahadevaswamy S, Jagadish S Jakati, Chandrakant Umarani, S. S. Ittannavar, B.P. Khot, B P Pradeep Kumar, “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).
6. S. S. Ittannavar, B. P. Khot, S. C. Kesti, R. Hosamani, J. S. Jakati and M. S, "DEMON Envelope Spectrum for Tachless 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).
7. A. B. Arabhanvi, S. S. Ittannavar, J. S. Jakati, V. Patil, S. Ranbhare and B. 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> .
8. Mahadevaswamy S, Jagadish S Jakati, Chandrakant Umarani, S. S. Ittannavar, B.P. Khot, B P Pradeep Kumar, “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).
9. D. M. Kumbhar, S. S. Ittannavar B. P. Khot 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. IEEE Xplore (Scopus Indexed).

10. S. S. Ittannavar B. P. Khot 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. IEEE Xplore (Scopus Indexed).
11. P. Khot, Mahadevaswamy and S. S. Ittannavar, "Comprehensive Comparative Analysis of Variational Quantum Classifier and Quantum Kernel SVM Under NISQ Noise with Classical Baseline and Statistical Significance Evaluation," *2nd International Conference on Software, Systems and Information Technology (SSITCON)*, Tumkur, India, October 17-18, 2025, pp. 1-5, (IEEE Xplore, Scopus Indexed).
DOI: <https://doi.org/10.1109/SSITCON66133.2025.11341965>.
12. P. Khot, P. S. Murgod, 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)*, 27th – 29th June Chikodi, India, 2025, pp. 1-6, (IEEE Xplore, Scopus Indexed)
DOI: <https://doi.org/10.1109/INCSST64791.2025.11210377>
13. R. H. Havaladar, S. S. Ittannavar, B. P. Khot, Ravi Hosamani, R. S. Vijayalaxmi and A. V. Pujeri, "Diabetes Prediction Using Classical Machine Learning and Deep Neural Networks: A Comparative Study," *2025 International Conference on Smart & Sustainable Technology (INCSST)*, Chikodi, India, 27th – 29th June Chikodi,, pp. 1-4, (IEEE Xplore, Scopus Indexed) DOI: <https://doi.org/10.1109/INCSST64791.2025.11210296>
14. S. S. Ittannavar, et.al, "Crop Recommendation Using Comparative Machine Learning Techniques with a Tuned CatBoost Classifier," *2025 International Conference on Smart & Sustainable Technology (INCSST)*, 27th – 29th June Chikodi,, India, 2025, pp. 1-5, (IEEE Xplore, Scopus Indexed).
DOI: <https://doi.org/10.1109/INCSST64791.2025.11210339>
15. S. S. Ittannavar, B. P. Khot, M. Mahadevaswamy, Ravi Hosamani and A B Arabhanvi, "Adaptive Pre-processing for Enhanced Wheat Disease Detection Using Deep Learning" *International Conference on Information and Communication Systems (ICICS 2025)* 4th – 5th Feb 2025, Taylor and Francis Publisher, VVCE Mysuru. (Taylor and Francis).
16. S. S. Ittannavar, B. P. Khot, M. Mahadevaswamy, Ravi Hosamani and A B Arabhanvi, "Enhanced Wheat Leaf Disease Detection Using a Modified ResNet-50 Architecture with Advanced Training Techniques" *International Conference on Information and Communication Systems (ICICS 2025)* 4th – 5th Feb 2025, Taylor and Francis Publisher, VVCE Mysuru. (Taylor and Francis).
17. Bhavaling Alias Pratima Khot, B Shruthi, Mahadevaswamy, Shreevijay S Ittannavar, B P Pradeep Kumar, 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> (2025). (Taylor and Francis).
18. Prof. B. P. Khot, Aishwarya Kurani, Deeksha Chatra, Ajit Pujeri "A Novel U-Net Based Segmentation Approach for Lung Cancer Detection" *4th International Conference on Recent Trends in Engineering and Technology (ICRTET-2025)* pp 311-317 7th & 8th March 2025

19. S. S. Ittannavar, B. P. Khot, M. Mahadevaswamy and R. H. Havaladar, "Deep Learning for Computer Vision: Recent Breakthroughs and Emerging Trends," *2023 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)*, Chennai, India, 2023, pp. 1-5, <https://doi.org/10.1109/ICSES60034.2023.10465486> (Publisher IEEE)
20. P. Khot and S. S. Ittannavar "Block Matching Algorithms for Motion Estimation and Compensation in Video Compression" *International journal of Advanced Technology in Engineering and Science*, organized by HSIT, Nidasoshi 8th and 9th December 2023.
21. S. S. Ittannavar, B. P. Khot and R. H. Havaladar "Deep Learning Based Approach For Enhancement of Traffic Rules" *International conference on Advances in Communication and Computing using Artificial Intelligence and Data Science (ICACCAD-2022)* organized by SNS College of Technology, Coimbatore, Tamil Nadu, India 15th & 16th September 2022
22. 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
23. S. S. Ittannavar and Bhavaling alias Pratima Khot "Deep Convolution Neural Networks for Early Detection of Breast Cancer" *International Conference on Computing, Communication and Information Technology* Chennai Institute of Technology on 30th & 31st July, 2020.
24. S. S. Ittannavar, B. P. Khot and R. H. Havaladar "Comparative Analysis of Mammogram Enhancement using Weiner filter for Early Detection of Breast Cancer" *International Conference on Recent Innovations in Science, Engineering, and Technology (ICRISET-2019)* HSIT, Nidasoshi, 18th July 2019
25. 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.
26. 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):

- I. Patent filed in INTELLECTUAL PROPERTY INDIA on the topic "**DETECTION OF BREAST CANCER IN DIGITAL MAMMOGRAMS USING DEEP LEARNING ALGORITHM**" on June 11th 2021. Application Number: 202141026197 Publication Date: 25/06/2021

12. INVITED TALKS: Organized

1. Served as the SPOC for She Innovates and successfully organized a one-day Bootcamp at HIT Nidasoshi in collaboration with VTU-Visvesvaraya Research and Innovation Foundation (VRIF), Belagavi.
2. 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 on 27/03/2026 to 01/03/2026

3. Organized and served as department Coordinator 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.
4. 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.
5. Organized STTP on “Full Stack Web Development” by Mr. Shivaraj M. IR solutions Bengaluru from 15/12/2023 to 18/12/2024.
6. Organized a webinar on “Introduction to Artificial Intelligence” by Dr. Mahadevaswamy Associate Professor VVCE Mysore on 23/12/2022 in ECE Department HSIT Nidasoshi.
7. Organized webinar on “A Guidance Program on Career Opportunities after B.E.” by ACE Engineering Academy on 16/06/2022. HSIT Nidasoshi.
8. Organized webinar on “Deep learning and Its Applications” on 29/10/2021 in ECE Department HSIT Nidasoshi.
9. Organized Three Days National Level Online FDP on “Advanced Research Trends in Image Processing”, 14-07-2020 to 16-07-2020, HSIT Nidasoshi.
10. Organized International webinar on “MENTAL HEALTH MANAGEMENT in Association with MIND FUNDA on 28th July 2020, HSIT Nidasoshi.

13. RESEARCH PROJECTS (COMPLETED/ONGOING): NIL

14. PARTICIPATION & PRESENTATIONS IN SEMINARS /SYMPOSIA/ WORKSHOPS/ CONFERENCES:

Sl. No.	Topic	Period		Venue
		From	To	
1	FDP on “National Education Program-2020 orientation & Sensitization Program”. By	2-3-2026	11-03-2026	NIT Warangal
2	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
3	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
4	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
5	IPR awareness/ TRAINING Program under the special mission “National Intellectual Property Awareness Mission (NIPAM)”	12-05-2022	12-05-2022	HSIT, Nidasoshi
6	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

Sl. No.	Topic	From	To	Venue
7	Online 3-Day “FDP on Quantum Computing”	25-07-2021	27-07-2021	Online VCE, Mysuru
8	Webinar on “Scope and Requirements of Future Networks for Smart Healthcare” by Dr. Jagadeesha R. Bhatt, Professor, IIT-Dharwad	26-07-2021	26-07-2021	KLE Dr.M.S.S.C.E.T, Belagavi
9	Five- day FDP on “Artificial Intelligence and Natural language Processing”	12-07-2021	16-07-2021	Online VCE, Mysuru
10	Webinar on “Understanding Intellectual Property”	26-06-2021	26-06-2021	Karnataka Law Society’s G.I.T, Belagavi.
11	AICTE Sponsored One Week Online Short Term Training Program on “Battery Management and Control Techniques in Electric Vehicles”	14-12-2020	19-12-2020	Online HSIT, Nidasoshi
12	AICTE Sponsored One Week Online Faculty Development Program on "Research Areas in Biomedical Signal Processing"	12-10-2020	17-10-2020	S. V.E.C. Tadepalligudem
13	One Week Online FDP “Emerging Trends in Power Electronics and Power System (ETPEPS-2020)”.	24-08-2020	29-08-2020	OPJU Raigarh
14	5-Days E-Faculty Training Program “Machine Learning Technologies for Social Media Analytics” by ISEA Ministry of Electronics and Information Technology (MeitY), Govt. of India	19-08-2020	23-08-2020	IIT, Guwahati
15	Three days National level one week FDP on “Advanced Research trends in Image Processing”	14-07-2020	06-07-2020	Online HSIT, Nidasoshi
16	Online webinar on “The science and Applications of NLP”	08-07-2020	08-07-2020	Online GKMCT, Perungalathur
16	Five days online FDP on “Contemporary Research Trends in Electronics & Communications and Computer Science”	06-07-2020	10-07-2020	Online VTU, Belagavi
17	Five days online FDP on FDP on “Advances in Artificial Intelligence, Machine Learning & Robotics”	06-07-2020	10-07-2020	Online VCE, Mysuru
18	National level one week FDP on Recent trends in Image Processing”	01-07-2020	05-07-2020	Online THEEM college of Engineering Mumbai
19	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
20	Two days Nation webinar on “Research Trends in Image Processing & Pattern Recognition”	29-06-2020	30-06-2020	Online BCE Bengaluru
21	webinar on " HOW TO CRACK GATE IN FIRST ATTEMPT"	28-06-2020	28-06-2020	Online HSIT, Nidasoshi
22	Webinar on “Career After Covid-19"	21-06-2020	21-06-2020	Online HSIT, Nidasoshi
23	Webinar on “The World does spin, but not around you”	19-06-2020	19-06-2020	Online MSys Technologies
24	National Level One-Week Faculty Development Programme on “Machine Learning Based Project Architecture Design”,	15-06-2020	19-06-2020	Online BEC (A) Bagalkot
25	One day National Level webinar on “MEMS Based Sensors for Chemical & Biochemical Sensing Applications”	15-06-2020	15-06-2020	Online SVEC, Tadepalligudem

26	Two days webinar series on “Recent Trends in Electronics and Communication Engineering”	11-06-2020	12-06-2020	Online BEC (A) Bagalkot
27	Two days online FDP on “Skill Enhancement for Academicians”	08-06-2020	09-06-2020	Online JCE Belagavi
28	Webinar on “Design of Analog Layout & Opportunities and Challenges in Semiconductor Domain”	01-06-2020	02-06-2020	Online KLECET Chikodi
29	Webinar on “Power generation and Indian Energy Scenario”	16-05-2020	16-05-2020	CIT, Bengaluru
30	Four days workshop on “Design and Simulation of Microstrip antenna using HFSS simulation tool”	26-02-2020	29-02-2020	HSIT, Nidasoshi
31	Four days FDP on “Machine Learning and Data Analytics”	08-01-2020	11-01-2019	HSIT, Nidasoshi
32	One week FDP Internet of Things and Its Real Time Applications	28-02-2019	02-02-2019	HSIT, Nidasoshi
33	One week STTP on “Biomedical Data Analytics (BioMedics-2017)”	11-08-2017	17-08-2017	IIT, Kharagpur
34	Two days workshop on “FPGA Design Using Verilog”	26-04-2014	27-04-2014	BLDCET, Vijayapura
35	Three days workshop on “Signals and Systems”	04-10-2012	06-10-2012	HSIT, Nidasoshi

15. AWARDS, FELLOWSHIPS & OTHER DISTINCTIONS:

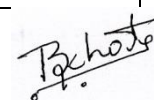
- Secured **“Best paper award”** in IEEE 4th International Conference on Knowledge Engineering and Communication Systems (ICKECS), 2026 for the paper titled “Robustness-Oriented Explainability Analysis of the PHQ-9 Depression Scale Using Ensemble Learning Under Response Perturbations” on 24-25 April 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 Trends in Engineering and Technology (ICRTET-2025) jointly organized by Hirasugar Institute of Technology, Nidasoshi. For the paper titled “A Novel U-Net Based Segmentation Approach for Lung Cancer Detection” on 7th March 2025.
- 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.
- Secured State level First place and awarded AS **“Chinnara Kalashri”** for excellence in patriotic, folk song singing by **Honorable T N chaturvedi Governor of Karnataka Government**, organized by women’s and children’s welfare Karnataka, Bengaluru on 14th November 2002.
- Secured State level Award **“Bala Pratibha Puraskar”** for excellence in folk song singing by **Chief Minister of Karnataka Government and Smt. Rani Satish Minister of Kannada and Culture department** organized by Kannada and Culture Department Bengaluru on 14th November 2001.

- Secured “**Sadhanashree**” Award by Shri Gurushanteshwar Sounsthan Hiremath on 28th april 2003
- Secured “**Gaana Kogile**” Award by Kamannavar residential coaching classes, Yaragatti on 24th October 2004.
- Secured “**Aparanji**” Award in 4th akhila Karnataka makkal sahitya sammelana Belagavi on 6th February 2005.

16. ANY OTHER SIGNIFICANT INFORMATION:

- Completed Coursera certifications in Quantum Computing and Python Programming.
- Completed 2/3 credit 8-week NPTEL course on **Research Methodology**. Jan-March 2025
- Completed SWAYAM 2-credit Online “**Research and Publication Ethics (RPE)**” Course in 2024.
- Completed 12 week 3-credit NPTEL Online “**Digital Image Processing**” Course (Sep-Dec 2020).
- Teaching Results : 100% result in High Performance Communication Networks subject in the year 2017, 100% result in Image processing subject-2018, 100% result in Network and Cyber security subject in the year 2017, 2019, 2020 & 2021, 100% result in automotive Electronics subject in the year 2020, 100% result in Operating system subject in the year 2021. 100% result in Digital Image processing subject in the year 2017, 2020, 2021 & 2022. 100% result in Communication Theory in the year 2023. 100% result in Network Security subject in the year 2022, 2023. 100% result in TIME Subject in the year 2025
- **Projects sanctioned under KSCST & VTU financial assistance Sponsorship.**

Sl. No.	Funding Body/Project reference Number	Project Title	Name of the Guide	Name of the Leader	Sanctioned 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
3	VTU Sponsorship	Smart waste segregation and clearance system using integrated Mobile robotic system	Prof. B. P. KHOT	Ms. Nisarga Bagalkot	5000.00	2020-21
4	43S_BE_0462 KSCST	Smart and safe child rescue from bore well	Prof. B. P. KHOT	Ms. KAVERI D	5000.00	2019-20
5	42S_BE_1153 KSCST	Accident prevention and security system for vehicles using multi sensors	Prof. B. P. KHOT	Ms. AKSHATA JAMAKHANDI	7000.00	2018-19



Smt. B. P. Khot