

Dr. ShrishailappaPatil

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Address and Date of Birth

Office Address:: Professor, Computer Engineering, Vishwakarma Institute of Technology, 666, Upper Indiranagar, Pune - 411037. India.

Residential Address:: Dr. Shrishailappa Patil, B-401, Agam Darshan , More Baug, Katraj, Pune - 411046. India.

Date of Birth:: 01 June 1965

Vision, Mission, Objectives and Values

Vision:: Empowerment through Knowledge-based,skills and Vantage-based technical education.

Mission:: Social transformation through outcome-based technical education.

Values:: Respect, Tolerance, Understand, Acknowledge and Appreciate for views of every person.

Professional Summary

Completed B E Electronics, M. Tech Computer Science and Engineering and Ph. D. Computer Engineering having 32 years of Academic, Administrative, and Research Experience supporting students, developing academic plans, and organizing and grading exams. Commended for sustaining an effective learning environment through prepared classes and relevant assignments and consistently achieving classroom management and academic goals. Student-centered Professor with expertise in Machine Learning, Artificial Intelligence, Artificial Neural Networks, Data Science, and Biomedical Engineering.

Skills

- Python Programming, Spyder, Jupyter Notebook.
- Assembly Language, C++, MATLAB,
- R-Programming.
- Thesis Supervision
- Accreditation experience.
- Technology-based curriculum
- Student research guidance
- Grant writing
- Consultancy

Education

Ph.D.: Computer Engineering And Technology

August 2009

Bharati Vidyapeeth University - Pune, Maharashtra

Title: Electroencephalograph Signal analysis using Machine Learning Techniques

Master of Science: Computer Science and Engineering

August 2003

Visveswaraya Technological University - Belgaum Karnataka 67.15 % First Class

Title: Brain-Computer Interface

Bachelor of Science: Electronics Engineering

May 1988

Dr. Babasaheb Ambedkar Marathwada University - Aurangabad, Maharashtra

Title of Project: Bank Token Number Display.

Work History

Professor

February-2011 to Till Date

Vishwakarma Institute, of Technology – Pune, India

- Teaching, Research, Academic and Accreditation
- Worked as a Principal for 3.6 Years in Sumati Ramesh Tulsiyani Technical Campus, Khamshet, Pune. on Lean Basis.
- Used a variety of learning modalities and support materials to facilitate the learning process and accentuate presentations.
- Encouraged class discussions by building discussions into lessons, actively soliciting input, asking open-ended questions, and using techniques to track student participation.
- Used different learning modes and types of technology to engage students in achieving learning outcomes.
- Worked with the dean to assess and evaluate courses and programs in appropriate discipline.
- Demonstrated strong interpersonal and communication skills, resulting in clear subject matter discussion with students.
- Conducted ongoing program assessment, enrollment, and retention tracking.
- Supported multidisciplinary research teams focused on scholarly publication.
- Developed a diversified course curriculum to meet regulatory standards and support learning objectives.
- Created a dynamic learning environment that valued instructor and student interaction.
- Identified research opportunities for students, assisting with gathering data and drawing conclusions for projects.
- Researched and selected course texts and supplemental learning materials.
- Instructed and evaluated students in the classroom in alignment with college mission by incorporating innovative teaching and learning strategies.

Professor and Principal

November 2009 to February 2011

Imperial College of Engineering and Research – Pune, India

- Academic, Research, Administration, and Accreditation

- Used a variety of learning modalities and support materials to facilitate the learning process and accentuate presentations.
- Used different learning modes and types of technology to engage students in achieving learning outcomes.
- Instructed and evaluated students in the classroom in alignment with the college mission by incorporating innovative teaching and learning strategies.
- Researched and selected course texts and supplemental learning materials.
- Collaborated with faculty and community stakeholders for program improvement.
- Graded tests and assignments and uploaded to the school database.
- Identified research opportunities for students, assisting with gathering data and drawing conclusions for projects.
- Created an adynamic learning environment that valued instructor and student interaction.
- Developed a diversified course curriculum to meet regulatory standards and support learning objectives.
- Supported multidisciplinary research teams focused on scholarly publication.
- Conducted ongoing program assessment, enrollment, and retention tracking.
- Demonstrated strong interpersonal and communication skills, resulting in clear subject matter discussions with students.
- Collaborated with tutoring, enrollment, testing, and advising services to support students.
- Established and maintained inclusive, collegial, and collaborative culture within the classroom.
- Provided students with constructive, encouraging, and corrective feedback.

Professor

April 2004 to November 2009

Bharati Vidyapeeth College Of Engineering– Pune, India

- Academic, Research, Administration, and Accreditation
- Used a variety of learning modalities and support materials to facilitate the learning process and accentuate presentations.
- Instructed and evaluated students in the classroom in alignment with the college mission by incorporating innovative teaching and learning strategies
- Conducted ongoing program assessment, enrollment, and retention tracking
- Created a dynamic learning environment that valued instructor and student interaction
- Identified research opportunities for students, assisting with gathering data and drawing conclusions for projects
- Supported multidisciplinary research teams focused on scholarly publication
- Used different learning modes and types of technology to engage students in achieving learning outcomes
- Collaborated with tutoring, enrollment, testing, and advising services to support students
- Developed diversified course curriculum to meet regulatory standards and support learning objectives

Assistant Professor and HOD

November 2003 to March 2004

Sharada Group of Institutes -Agra, India

- Academic, Research, Administration, and Accreditation
- Worked as a HOD

Lecturer

August 1989 to November 2003

Solapur Education Society -Solapur, India

- Academic and Administration

Lecturer and HOD

August 1988 to August 1988

Mandar Education Society -Chiplun, India

- Academic and Administration
- Worked as a HOD.

Research Grants Fetched

- Rs 18 Lakhs from the Department of Science and Technology, Govt of India for “Weed Detection and Removal Robot” for the academic year 2019 to 2021.
- Rs 16 Lakhs from AICTE, New Delhi under Research Promotion Scheme for “Grape Disease detection and automatic pesticide control” for the academic year 2018 to 2020.
- Received a grant of Rs. 2 Lakhs for the staff development program (SDP) from AICTE, New Delhi. topic “Current trends in DSP and Image Processing” was Conducted at Bharati Vidyapeeth, Pune from 16-6-2008 to 28-6-2008.
- Received a grant of Rs. 5.60 Lakhs for a Research Project under the Research Promotion Scheme of AICTE, New Delhi. For “Brain-computer Interface” for the academic year 2007 to 2009.
- Received a grant of Rs. 5.15 Lakhs for the Ph.D. Project under Research Promotion Scheme of AICTE, New Delhi. For “High Non-Stationary electroencephalograph signal Analysis Using Wavelets” for the academic year 2006-07.

Google Scholar, Orcid and LinkedInLinks

<https://scholar.google.com/citations?user=oIIUJI0AAAAJ&hl=en>

<https://orcid.org/0000-0002-9440-3446>

<https://www.linkedin.com/in/dr-st-patil-vit-pune-aa986047/>

[Patil, S. T. - Author details - Scopus Preview](#)

Awards Received

1. Dr. APJ Abdul Kalam Lifetime Achievement National Award for research and Innovation from International Institute for Social and Economic Reforms, Bangalore, 23 April 2022.
2. CIEMA Outstanding Thesis and Dissertation Award by Springer, 27 March 2022
3. Best International Conference paper Reviewer, Emerging Trends and Innovations in ICT, Pune Institute of Computer Technology, Springer, Pune 12 March 2022.
4. Best Outstanding Research Supervisor, Research Education Solutions, MSME Government of India 19 December 2021.
5. VITSHRI Award for research, publications, and book Publications from Vishwakarma Institute of Technology, Pune 5 September 2020.
6. Best PaperAward from International Conference on Machine Intelligence and Smart computing (ICMISC2020) for the Paper “Improved Jaya optimization algorithm for feature selection” 22 May 2020.

7. Academic Excellence Award by East West College of Engineering, Bangalore March 2018.
8. Academic Excellence Award from East-West College of Engineering, Bangalore. April 2016
9. Matoshri Mahadevi Bhanje Best Teachers State level Award from Jeevan Vikas ShikshanPrasarakmandal, Solapur, On 5-09-2007.
10. LaxibaiMhetrestate-level Best Teachers award from Apoorva Abhinav Vidyapeeth, Mumbai, on 12-04-2008.
11. Best Teachers State level Award from panchayat samitee, Akalkot, on 5-09-2007.
12. State Level Best Guide Prize for Electronics Private Automatic Telephone Branch Exchange by Dipex-97 on 18th February 1997 by ABVP.
13. State Level Best Guide Prize for ROM Reader by Dipex-97 on 18th February 1997 by ABVP.

Patents Published

S T Patil, Sunil Bangare, “Regenerative Pixel Mode and Tumor Locus Detection for Improved Brain Tumor Analysis”. Official Journal of The Indian Patent Office, Patent Application number: 201721040698 A, Issue No. 48/2017 Dated 01/12/2017, Friday, PART-1, Page No.45201, http://www.ipindia.nic.in/writereaddata/Portal/IPOJournal/1_2560_1/Part_1.pdf

Consultancy work

- Virtual Automation Hyderabad, Research and Development Support, INR 1.20 Lakhs, 5th August 2022 to 4th August 2023, Ongoing.
- Kumar Jewelers, Solapur, Website and Mobile App Development and Maintenance, INR 55 Thousand, 3rd May 2022 to 2nd May 2023, Ongoing.

Books Published

1. Nano Electronics, Amazon Kindle ISBN: ASIN: B09N97VHLB December 2021.
2. Introduction to Machine Learning, Amazon Kindle ISBN: ASIN: B08BTW7FVD June 2020.
3. Soft Computing Techniques, Amazon Kindle ISBN: ASIN: B08BTSCVT3 June 2020.
4. Nano Electronics and Applications, Pragati Prakashan, Pune. ISBN: 935-18-4114-1, January 2020.
5. Machine Learning, Pragati Prakashan, Pune. 935-18-4112-1, January 2019.
6. Nano-Electronics,Pragati Prakashan, Pune. 935-16-4892-3, February 2016.
7. Soft Computing Techniques, Pragati Prakashan, Pune. 935-16-4891-5, January 2016
8. Neural Networks and Fuzzy Logic, Pragati Prakashan, Pune. 978-93-332-0538-2, August 2015.
9. Microcontroller and applications, Pragati Prakashan, Pune. 935-16-4137-6, June 2014
10. Microprocessor and PIC Microcontroller, Pragati Prakashan, Pune. 935-16-4112-0, July 2014.
11. Microprocessors, Pragati Prakashan, Pune. 935-16-4241-0, August 2014
12. Digital Systems and Microprocessors, Pragati Prakashan, Pune. 935-16-4246-1, September 2014.
13. Neural Networks, Pragati Prakashan, Pune. 978-93-81962-73-2, January 2012.

Book Chapters

- S. T. Patil, S. L. Bangare, Dr. G. Pradeepini, "Advanced Engineering Research and Application", Research India Publications, New Delhi, ISBN 978-93-86138-58-3.
- S. T. Patil, D. S. Bormane, "Electroencephalograph Signal Analysis During Ujjayi pranayama" Springer Link DOI: 10.1007/978-3-540-92841-6_1

International Research Papers Published

1. Shrishailappa Patil, Semantic Cross Media Hashing to Capture Text Similarity at the Semantic Level, International Journal of Intelligent Systems and Applications in Engineering (IJISAE) <https://ijisae.org> ISSN:2147-6799 (Scopus) Vol: 10, Issue: 2, December 2022, pp: 241-245.
2. Shrishailappa Patil, Reconstructed Optimization Logic for the Secure Vaults with Arduino for the IoT Environment, International Journal of Intelligent Systems and Applications in Engineering (IJISAE) <https://ijisae.org> ISSN:2147-6799 (Scopus) Vol: 10, Issue: 2, December 2022, pp: 295-299.
3. Dr. ST Patil Prabhav Pandya, Omkar Prabhune, Pritesh Pawar, Predicting the Movement of "Meme" Stocks, International Journal Of Research In Electronics And Computer Engineering, Vol-10, Issue-2, June 2022. PP: 114-118
4. Dr. ST Patil, Sanuja Kulkarni, To Implement An Impacted Integration Test Monitoring And Control For SLM Software, International Journal for Science and Advance Research in Technology (IJSART), ISSN: 2395-1052, Vol-5, Issue-7, July 2021, PP:155-159
5. Dr. ST Patil, Machine Learning Model for Stock Market Prediction, International Journal for Research in Applied Science and Engineering Technology (IJRASET), Vol-9, Issue-6, July 2021, PP: 4057-4062.
6. Dr. ST Patil, Simulating Custom Linux Commands, International Journal of Innovative Science and Research Technology, Vol-6, Issue-6, June 2021, PP: 554-558.
7. Dr. ST Patil, Airline Reservation System, International Journal of Innovative Science and Research Technology, ISSN No:-2456-2165, Vol-6, Issue-6, June 2021, PP: 71-75.
8. PranaliD.Sheth, ShrishailappaT.Patil, ManikraoL.Dhore, "Evolutionary computing for clinical dataset classification using a novel feature selection algorithm", Journal of King Saud University - Computer and Information Sciences, SCI Indexed, December (2020)
9. S T Patil, " Robust Prior Stage Epileptic Seizure Diagnosis System using Resnet and Backpropagation Techniques", International Journal of Emerging Trends in Engineering Research, Volume 8. No. 5, May (2020), PP-2214-2222.
10. P. D. Sheth, S. T. Patil "Improved Jaya Optimization Algorithm for Feature Selection on Cancer Diagnosis Data using Evolutionary Binary Coded Approach", Solid State Technology, Vol. 63 No. 2 (2020) Scopus Indexed.
11. P. D. Sheth, S. T. Patil , "Evolutionary Jaya Algorithm for Parkinson's Disease Diagnosis using Multi-objective Feature Selection in Classification", Evolutionary Jaya Algorithm for Parkinson's Disease Diagnosis using Multi-objective Feature Selection in Classification | IEEE Conference Publication | IEEE Xplore 30 June 2020.

12. Sunil Bangare, ST Patil, "Detection of Alzheimer's Disease from MRI using Convolutional Neural Network with Tensorflow", Cornell University, 2019.
13. P. S. Bangare, S.T.Patil, "Developing Accident Monitoring System using Wireless Application", International Journal of Information and Computing, Volume 6, Issue 4, April 2019. PP-1-7.
14. S. T. Patil, "An automatic diagnosis of epileptic seizure based on optimization using Electroencephalography Signals", Journal of Critical Reviews, Vol-6, Issue-5, PP-200-212.
15. S T Patil, PreetiBailke, "Distributed algorithms for improving associative multilabel document classification considering reoccurrence of features and handling minority classes", International journal of business intelligence and data mining (Scopus), Vol:14, No: 03, 2019. pp:299-321.
16. S T Patil, Sunil Bangare, "Implementation for brain tumor detection and 3D visualization model development for reconstruction", ARPN Journal of Engineering and applied sciences, 2018.
17. S T Patil, SachinShelke, "A survey of automated test data generation techniques", International Journal of Advance Engineering and research development (Thomson Reuters)", ISSN: 2348-6406, Vol-5, No-8, August 2018, pp-115-131.
18. S T Patil, Sunil Bangare, "Neuroendoscopy adapter module development for better brain tumor image visualization", International Journal of Electrical and computer engineering (IJECE) (Scopus), Vol-7, No-1, February 2017, pp-31-41.
19. S T Patil, PreetiBailke, "Rule grouping and multiple minimum support thresholds for semantic multi-label associative classifier using feature reoccurrences", International journal of data mining, modeling and management (Scopus)(ESCI- Clarivate Analytics), Vol:9, No:2, 2017, pp:163-184.
20. S T Patil, P D Sheth, "A review on feature selection problem solving using multiobjective evolutionary optimization algorithms", International journal of engineering applied science and technology (Thomson Reuters), ISSN-2455-2143, Vol:2 No:9, 2017, pp-42-54.
21. S T Patil, Sharmistha Desai, "Efficient streaming algorithm for a large volume of data", International Journal of management and social science(IJMS), ISSN: 2321-1784, Vol:4, No:11, Nov 2016, pp:30-42.
22. S. T. Patil, Meenakshi Thalor, "Incremental Learning on nonstationary data stream using ensemble approach", International Journal of Electrical and Computer Engineering (IJECE) (Scopus), Vol:6 No:4 August 2017, PP: 1811-1817.
23. S. T. Patil, Meenakshi Thalor, "Learning framework for nonstationary and imbalanced data stream", International Journal of Engineering and Technology (IJET), Vol:8, No:5, ISSN: 0975-4024, November 2016, pp: 1942-1964.
24. S. T. Patil, "Learning on High-Frequency Stock Market Data Using Misclassified Instances in Ensemble" International Journal Of Advanced Computer Science And Applications (Scopus), Vol- 7, Issue-5, May 2016, PP-283 to 288.
25. S. T. Patil, "Boosting Decision Trees for Predicting Market Trends", Advanced Science Letters, American Scientific Publishers(ASP), (SCOPUS), Vol:13, No:2, 2017 pp:693-1488.,
26. S. T. Patil, "Optimized Streaming Algorithm for Classification of Large Volume of Social Media Data", Journal of Telecommunication, Electronic and Computer Engineering (JTEC), (SCOPUS), First Revision: July 2016, Accepted in July 2016.
27. ST Patil, "Reviewing Otsu's method for image thresholding", International Journal of Applied Engineering Research, ISSN 0973-4562 Volume 10, Number 9 (2015) pp. 21777-21783.

28. S. T. Patil "Review on Machine Learning Techniques Used for Big Data Classification", IJARCSMS, Volume 3, Issue 7, July-2015,
29. S T Patil, Prateek Bihani, "A comparative study of data analysis techniques", International journal of emerging trends and technology in computer science, vol-3, No-2, March 2014, pp-95-101.
30. S. T. Patil, "A Comparative Study of Data Analysis Techniques", International Journal of Emerging Trends and Technology in computer science (IJETTCS), ISSN: 2278-6856, Volume-3, Issue-2, April 2014, PP-43-48.
31. S T Patil, "Comparison of Ensemble Based Classification Algorithms" International Journal of Advanced Research in Computer Science and Software Engineering, Volume 4, Issue 4, April - 2014, ISSN: 2277 128X, Impact Factor:2.080, PP- 1126-1132,
32. Meenakshi A.Thalor, S T Patil, "Review of Ensemble Based Classification Algorithms for Non-stationary and Imbalanced Data" IOSR Journal of Computer Engineering, Volume 16, Issue 1, Feb 2014. e-ISSN: 2278-0661, p-ISSN: 2278-8727, Impact Factor:1.686, PP 103-107.
33. S T Patil, "Robust and Accurate Classification of Objects with Optimized Search Space" International Journal of Emerging Technology and Advanced Engineering, Volume 4, Issue 3, March 2014.
34. S. T. Patil, "Differential Evolution Algorithm with support vector machine to classify objects Efficiently", International journal of advance research in computer science and management studies. ISSN: 2321-7782, Volume-2, Issue-3, March-2014, pp-71-76.
35. S. T. Patil, Sharmistha Desai "Automatic detection and classification of objects with optimized search space", International journal of advance research in science and Engineering. Volume-3, Issue-3, March 2014, pp-86-93.
36. S. T. Patil, "Advanced Hands-free computing", International Journal of Computer and mobile computing, ISSN: 2320-0881, Volume-3, Issue-4. April 2014, pp-38. IF-4.27.
37. S. T. Patil, "Comparative study of various graph layout algorithms", International Journal of Emerging Trends and Technology in computer science (IJETTCS), ISSN: 2278-6858, Volume-3, Issue-3, April 2014, pp-67-73..
38. S. T. Patil, "Self Adaptive on-demand real-time multicast geographic routing for mobile ad hoc network", International Journal of Advanced and Innovative Research [IJAIR], ISSN: 2278-7844, Vol-2, Issue-2, February 2013, pp-89-96.
39. S. T. Patil, "Expert system for question answering system", International journal of advanced research in computer science [ISSN-2229-4597], Vol-4 N0-2, January 2013. Pp-45-50.
40. S. T. Patil, Tushar Rane, "Survey on Security Challenge for Data Forwarding in Cloud", International Journal of Engineering Research and Technology, ISSN: 2278-0181, vol-2, Issue-1, January-2013, pp-32-37.
41. S. T. Patil, "Classification of EEG signals using wavelet transform and hybrid classifier for Parkinson's disease detection". The International Journal of Engineering and science [IJES], ISBN-2319-1805, Vol-1, No-2, February 2012, pp-66-72.
42. S. T. Patil, "Performance analysis of secret sharing algorithm". The International Journal of Innovative Technology and Exploring Engineering [ISBB- 2278 – 3075], April-2012, Vol-2 No-3. pp-29-35.

43. S. T. Patil, "Comparison of color feature extraction methods in content-based video retrieval". "International proceedings on recent trends in information technology, ISSN: 0975 - 8887 vol-7, no-3, October- 2012, pp-67-73.
44. S. T. Patil, D. S. Bormane, Human-Computer Interface for Agile Methods using Expert System " International Journal of Engineering Research and Technology (IJERT), ISSN-2278-0181.Vol-1, Issue-5, July 2012, pp-102-108.
45. S. T. Patil, Rajesh Jalaneekar, S. B. Mule & R. S. Gangapure, "Advanced Data Fusion for Classification and Extraction", International Journal of Computer Science and Information Technology (IJCSIT), ISSN-0974-8385, Vol-4, no-1, 2011 pp-7-14.
46. S. T. Patil, V. R. Jaiswal, "Multiframe Image Super-Resolution- A Comparison", International Journal of Computer Science and Engineering, e-ISSN: 2319-7323, vol-2, No-09, 2010. Pp-2989-2992.
47. S. T. Patil, D. S. Bormane, D. T. Ingole and Alka Mahajan "Electroencephalograph signal Analysis during Ujjai pranayama, International Journal of Engineering Research and Industrial applications (IJERIA), ISSN 0974-1518, Vol-II, No-I, 2009. pp-271-278.
48. S. T. Patil, D. S. Bormane and Sandeep Narote, "EEG Analysis for Brain Interface" International Journal of Applied Computing" ISSN- 0974-6277, Vol-2, Issue –I, 2009. PP- 13-15.
49. D. S. Bormane, S T Patil "Pearl ensemble classifier Decision", Journal of Wavelet Theory and Applications, Print ISSN 0973-6336, Vol-3, N0-1, 2009. pp-25-28.
50. S T Patil, D S Bormane "Slow Cortical Potential signal processing, Cybernetics and Informatics, ISSN: 1690-4524, October 2007. PP-78-85.

International Conference Papers Published

1. S. T. Patil, "Improved Jaya Optimization Algorithm for Feature Selection on Cancer Diagnosis Data using Evolutionary Binary Coded Approach", International Conference on Machine Intelligence & Smart Computing (ICMISC-2020) Sponsored by AICTE & TEQIP-III, 21 to 22 May 2020.
2. S T Patil, S L Bangare, "Feature extraction and brain tumor classification using fuzzy min-max neural network from MRI", IEEE, 2018.
3. S. T. Patil, "Efficient Streaming algorithm for classification of social data" IEEE International Conference on Pervasive Computing 2015, Sinhgad College of Engineering, Pune.
4. S T Patil, "Boosting Decision Trees for predicting market data" IEEE International Conference on Computing, Communication control & automation 2015, Pimpri Chinchwad college of Engineering, Pune.
5. S T Patil, Sharmistha Desai, "Efficient Streaming Algorithm for Large Volume of data" Elsevier International Conference on Soft Computing and Software Engineering (SCSE'15), USA.
6. S T Patil, "Comparison of color feature extraction methods in content-based video retrieval", International Conference on Recent Trends in Information Technology and computer science, Mumbai, 17 and 18 December 2012.
7. S. T. Patil, Self-adaptive on-demand real-time multicast geographic routing for mobile ad HOC Network", International conference on computational intelligence and engineering applications, 18 November 2012.
8. S. T. Patil, "Shot Boundary based keyframe extraction technique" INCONN VII-2012, Pune. 3-4 March 2012.

9. S. T. Patil, Dr. D. S. Bormane “High-Performance EEG analysis for brain interface”, ICBME, Singapore, 4-12-2008, Proceedings of IFMBE, Springer link, vol-23, pp-69-72, ISBN-978-3-540-92840-9.
10. S. T. Patil, Dr. D. S. Bormane “EEG signal analysis during Ujjayi pranayama, ICBME, Singapore, 4-12-2008. Proceedings of IFMBE, Springer link, vol-23, pp-1-4, 2840-9, ISBN-978-3-540-92840-9.
11. S. T. Patil, Dr. D. S. Bormane, “EEG Analysis And classification” World Scientific Engineering Academy and Society, Archachan, France, October 2007.
12. S. T. Patil, Dr. D. S. Bormane, “EEG Analysis during Kapalbhathi, August 2006, ICEMCC – PESIT International conference, Bangalore.
13. S. T. Patil, Dr. D. S. Bormane, “EEG Analysis during Bramari using wavelet, selected in CIT, International conference, Bhubaneshwar, December 2006.
IEEE COMPUTER SOCIETY DIGITAL LIBRARY,
<http://www.doi.ieeecomputersociety.org/10.1109/ADCOM.2006.4289918>.
14. S. T. Patil, Dr. D. S. Bormane, “EEG Analysis during Basarika using wavelet, selected in CODEC, International conference, Culcutta, December 2006.
<http://www.doi.ieeecomputersociety.org/10.1109/codec.2006.96>.
15. Patil, Dr. D. S. Bormane, “EEG Analysis during Basarika using wavelet, ADCOM, NIT, Suratkal, International conference, Mangalore, December 2006.
16. S. T. Patil, Dr. D. S. Bormane, “EEG Analysis during Kapalbhathi, December 2006, BIOTECH-06, International conference, Nagpur.
17. S. T. Patil, Dr. D. S. Bormane, “ Electroencephalograph signal analysis” second International conference on cognition and recognition, P.E.S. College of Engineering, Mandya Mysore, April 2008. Proceedings of 9th International Conference on Information technology, ACM, 2006, pp 26-32, ISBN:0-7695-2635-7.
18. S. T. Patil, Dr. D. S. Bormane, “High non-stationary Electroencephalograph signal analysis” International conference on Advances in computing, Anuradha Engineering College, Chikhali, Buldhana, February 2008. <http://www.doi.ieeecomputersociety.org/10.1109/ICIT.2006.50>.
19. S. T. Patil, Dr. D. S. Bormane, “Hierarchical data clustering” International Conference on Advances in computing, Anuradha Engineering College, Chikhali, Buldhana, February 2008.
<http://www.doi.ieeecomputersociety.org/10.1109/ICIT.2006.50>.
20. S T Patil, A S Patil, “Content-Based Image retrieval using Level set methods”, National conference on Modelling, Optimization and Control (NCMOC-2015), 4-6 March 2015.
21. S T Patil, A S Patil, “Brain Computer Interface” National conference on Modelling, Optimization and Control (NCMOC-2015), 4-6 March 2015.
22. S. T. Patil, “Image Compression”, National conference on Futuristic Computer Applications, held at AISSMS, Pune. From 22 to 24 December 2009.
23. S. T. Patil, “Electroencephalograph Signal Analysis During Soham”, National conference on Emerging Trends in Electronics and Telecommunication, held at JSPM RajarshiShahuCollege of Engineering, Pune. On 16 and 17 April 2007.
24. S. T. Patil & Dr. D. S. Bormane, “ Electroencephalograph signal acquisition system” NCACCN 2007, Ahamadnagar, March 2007.
25. S. T. Patil, “Artificial Intelligence using Neural Networks”, National seminar and paper presentation held at Bharatiya Research center, Pune. On 22 March 2007.

26. S. T. Patil, "Protein structure Prediction using Genetic Algorithm", National Conference on Converging Technologies, held at Jyothishmathi College of Engineering and Technology, Sameerpeth, Andra Pradesh, on 2 and 3 February 2007.
27. S. T. Patil, "Secure Key Transmission", National Conference on Trends and Challenges in Electronics, Communication, Information and Computer Technology, held at St. Francis Institute of Technology, Borivali, Mumbai, from 4 to 6 January 2007.
28. S. T. Patil, Dr. D. S. Bormane, Dr. D.G. Bharajdwaj, Prof Sandeep Narote "EEG Analysis" GNSS, Osmania University, Hyderabad, October 2007.
29. S. T. Patil, Dr. D. S. Bormane, "Artificial Intelligence using Neural Network" Bharatiya Research center, Pune, March 2007. Prof. S. T. Patil "Wi-Fi" in February 2006 at Sanghavi College of Engineering, Mumbai.
30. S. T. Patil & Dr. D. S. Bormane, "EEG Analysis during Basarika, April 2006, JNEC, Aurangabad.
31. Prof. S. T. Patil "Clustering Technology, April 2006, Bharati Vidyapeeth College of Engineering, New Delhi. On 13 and 14 April 2006.
32. S. T. Patil "Enhanced adaptive mesh generation for image representation, National Conference on Distributed Computing, held at Padmashree Dr. D. Y. Patil Institute of Engineering and Technology, Pimpri, Pune. 1 and 2 September 2006.
33. S. T. Patil, "Distributed Storage Management by using clustering Technology", National conference on recent trends in Electronics, Telecommunication and Information Technology, held at Sanjivani Rural Education Society's College of Engineering, Kopargaon, on 28 and 29 July 2006.
34. S. T. Patil "Image representation by using contents adaptive mesh modeling", National conference on Emerging Technologies and Applications, held at Sourashtra University, Rajkot, on 1 and 2 October 2006.
35. S. T. Patil "Multimodal Biometric", National Conference on Distributed Computing, held at Padmashree Dr. D. Y. Patil Institute of Engineering and Technology, Pimpri, Pune. 1 and 2 September 2006.
36. S. T. Patil, "Wi Max Technology", National Conference on Information and communication Technology recent trends and future challenges, held at Dwarakadas Sanghvi College of Technology, Vile Parle (W), Mumbai, from 24 to 26 February 2006.
37. S. T. Patil & Dr. D. S. Bormane, "Fast Changing Dynamic & High non-stationary EEG signal Analysis Using Multi-resolution Time & frequency". National conference on TSyGECA, held at Government College of Engineering, Aurangabad. On 23 and 24 January 2006.
38. S. T. Patil, D. S. Bormane, S. B. Vanjale, S. M. Sangve "Dynamic Electroencephalograph signal Analysis Using Multi-resolution Time and frequency domain" BIOCON, held at Bharati Vidyapeeth College of Engineering, Pune. on 15 and 16 September 2005.
39. S. T. Patil & Dr. D. S. Bormane, "EEG Analysis Using FFT" National conference on BVCON-Cyber Crime, held at Bharati Vidyapeeth's Institute of Management and Rural Development, Administration, Sangli, on 11 and 12 March 2005.
40. Prof. S. T. Patil & Dr. D. S. Bormane, "Broadband Multi-carrier based air interface" National conference on BVCON-Cyber Crime, held at Bharati Vidyapeeth's Institute of Management and Rural Development, Administration, Sangli, on 11 and 12 March 2005.
41. S. T. Patil "Network security against cyber attacks" National conference on BVCON-Cyber Crime, held at Bharati Vidyapeeth's Institute of Management and Rural Development, Administration, Sangli, on 11 and 12 March 2005.

Workshops / Seminars / STTP / SDP Organized

1. One Week Faculty Development Program (FDP) on “Recent Trends in Computation” at VIT, Pune from 18/07/2022 to 23/07/2022.
2. International Conference on Machine Intelligence and Smart computing (ICMISC2020)” 22 May 2020.
3. National conference “NCMOC-1015” at VIT, Pune. 4 to 6 February 2015.
4. AICTE sponsored staff development program on “Current trends in real-time applications of DSP and Image processing” from 16-6-2008 to 28-06-2008 conducted in Bharati Vidyapeeth University, Pune.
5. National Conference on “BIOCON-2005” conducted by Department of Computer Engineering, Bharati Vidyapeeth, Pune, 14-16 September 2005.
6. Staff Coordinator, Techno spreadsheets, Genesis 2005. (National Level)
7. Staff Coordinator for paper presentation, Bharatiyam 2006. (National Level)
8. Staff Coordinator for Project exhibition, Bharatiyam 2007. (National Level)

Workshops / Seminars / STTP / SDP Attended

1. One Week Faculty Development Program (FDP) on “Recent Trends in Computation” at VIT, Pune from 18/07/2022 to 23/07/2022.
2. One-week FDP on Block Chain at Bharati Vidyapeeth College of Engineering, Pune. From 14-18 December 2020.
3. One-week FDP on Multi-Technology at Bharati Vidyapeeth College of Engineering, Mumbai. From 28 June to 3 July 2021.
4. One-week FDP on Quantum Computing and Applications, at Vishwakarma Institute of Technology, Pune, From 17-21 January 2022.
5. One-week FDP on Capacity Building at Satyabhama University, Chennai From 25-31 October 2021.
6. Big Data From Coursera June 2020
7. Machine Learning from Coursera June 2020
8. Quantum Computing from Coursera May 2020
9. Tensorflow from Coursera May 2020
10. One week FDP on Advancements in IOT, 8-12 June 2020, MMCOE, Pune
11. One week STTP on Internet of things and its applications in Industry, 8-12 June 2020. DY Patil, Mumbai.
12. One week FDP on Python Programming 28-30 May 2020, KK Wagh College of Engineering, Nashik.
13. One week FDP on Data science 12-18 August 2019. PICT, Pune
14. One Week Workshop on Data Mining and Analytics, VIT, ACM Chapter-VIT, Pune from 13-14 April 2017
15. One-week Faculty Development Program on “Unified Communication and Contact Centre Applications” MIT College of Engineering Pune and Avaya India Pvt. Ltd from 6th to 10th December 2016.
16. Two weeks Faculty Development Program on “Modern Teaching Method”, Vishwakarma Institute of Technology, Pune, Conducted by NITTTR, Bhopal, 21 December 2015 to 2 January 2016.
17. One-week Faculty development program on “Emerging Trends in Data Science”, KashibaiNavale College of Engineering, Pune, 7 dDecember2015 to 11 December 2015.

18. Two weeks Faculty Development Program on Network Security, Walchand College of Engineering, Sangli. From 17 to 28 June 2013.
19. Six-weeks workshop on “Operating system” by Dr. Prof. Omkar Sharma, Marist University, USA, from 25/7/2011 to 5/8/2011.
20. Two days DRDO Academic Interactive Workshop at ARDE Pune on 16 and 17 October 2011.
21. One day workshop on Circuit Simulation, IEEE students Branch, Vishwakarma Institute of Technology, Pune on 17-9-2011.
22. Participation in second International Conference on Cognition and recognition at PES College of Engineering, Mandya, Karnataka, from 10 to 12 April 2008.
23. Two weeks training program on .NET, in Bharati Vidyapeeth University College of Engineering, Pune. 14 to 25 January 2008.
24. Completed 2-weeks AICTE sponsored staff development program on Advanced digital signal processing, at Sinhgad College of Engineering, Pune, from 3-12-2007 to 13-12-2007
25. Two weeks training program on Oracle Summer school, in Bharati Vidyapeeth University College of Engineering, Pune. From 10 to 25 May 2007.
26. Participation in the National Conference on Advanced Computing and Computer Networks, at Padmashree Dr. Vithalrao Vikhe Patil College of Engineering, Ahmednagar. on 9 and 10 March 2007.
27. Participation in the National Conference on Computational Science and Information held at Jawaharlal Nehru Engineering College, Aurangabad, from 1 to 3 April 2006.
28. Participation in the scientific deliberations in the International second Biotech congress on Innovations in Biotechnology and their applications, from 18 to 21 December 2006.
29. Four weeks “Java winter school training program”, in Bharati Vidyapeeth University College of Engineering, Pune. From 2 to 27 October 2006.
30. One day seminar on current trends in Information Technology, in Yashwantrao Mohite college, Erandwane, Pune on 19-9-2006.
31. Two days workshop on “Matlab and Simulink”, Bharati Vidyapeeth College of Engineering, Pune. On 8 and 9 March 2006.
32. Three days training program on “Visual Basic”, in Bharati Vidyapeeth University College of Engineering, Pune. 12 to 14 April 2005.
33. Completed 2-days workshop on “Writing Your Thesis” On 11 and 12 September 2004 in Global Research Education and Training Foundation, Pune.
34. Completed 1-week short-term training program on “Improving Industry Institution Interaction” from 8/3/2004 to 12/3/2004 in NITTTR, Chandigarh.
35. Completed 4-weeks STTP-ISTE Program On “Visual Basic-6 And MS-Access” from 2/6/2003 to 27/6/2003 at Solapur Education Society's Polytechnic, Solapur.

Additional Responsibilities at college and University

1. Ph. D. Coordinator, Vishwakarma Institute of Technology, Pune since April 2015.

2. PG Coordinator for Computer Engineering and Science at VIT Pune from Feb 2011 to April 2015. And from 2019 to till date.
3. Board Of Studies member (computer and IT) at Vishwakarma Institute of Technology, Pune since Feb 2011.
4. *NBA coordinator for Computer Engineering at VIT Pune since Feb 2011.*
5. NAAC coordinator for Computer Engineering at VIT Pune since Feb 2011.
6. PG Admission Coordinator at VIT Pune for the academic year 2012-13.
7. Parent Coordinator
8. Exam Controller
9. Member of Tech Fest in Vishwakarma Institute of Technology, Pune
10. Member of Convocation Ceremony.

Resource Person / Session Chair / Subject Expert/ VC Nominee

1. Session Chair, 7th International Conference ICIRTE 2022, 8 to 9 April 2022.
2. Ph. D. Thesis Evaluator and External Examiner, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. 5 December 2020.
3. Resource Person, UGC Human Resource Development Center, “Data Warehouse and Data mining” Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. 13 November 2019.
4. Subject Expert Pune University for UGC staff selection committee at MMCOE, Pune
5. Subject Expert Pune University for UGC staff selection committee at AISSMS, Pune
6. Subject Expert Pune University for UGC staff selection committee at D. Y. Patil College of Engineering and Innovation, Pune.
7. Keynote Speaker, International Conference on Applied Sciences and Engineering (ICASETM-2018) 20 April 2018.
8. Session Chair for c-PGCON-2012, Board of Studies in computer Engineering, Pune University, 5 to 6 April 2018.
9. Subject Expert Pune University for UGC staff selection committee at All India Shri Shivaji Memorial College of Engineering, Pune
10. Subject Expert Pune University for UGC staff selection committee at KK Wagh Institute of Engineering Education and Research, Nashik. 8 September 2017.
11. Ph. D. Subject Expert SPPU, Pune.
12. Resource Person “Business analytics and Intelligence” at MIT College of Engineering, Pune, 16 December 2015.
13. Session Chair for i-PGCON-2012, Board of Studies in Computer Engineering, Pune University, 10 and 11 April 2012.
14. Session Chair for c-PGCON-2012, Board of Studies in Computer Engineering, Pune University, 29 and 30 March 2012.
15. Resource Person or Chairperson for Emerging Technologies for Sustainable Developments, at Department of Technology, Shivaji University, Kolhapur, on 27 and 28 December 2012.
16. Session speaker at Kamala Education Society's Pratibha College of Commerce and Computer Studies, Chinchwad, Pune for Image Processing conference. From 23 to 25 February 2012.

17. Session speaker at MIT College of Engineering, Pune, Bio-Informatics Conference, February 2012. Session chair and Session speaker for WSEAS international conference held at Cambridge University, UK. February-2009.
18. Chief Guest for Inaugural ceremony of the ACM student chapter, at Anuradha Engineering College, Chikhali, Buldhana, on 15 September 2007.
19. Judge for Innovation, Pune University staff project Evaluation, Held in Sinhgad College of Engineering, 10 December 2008.
20. Chief Guest for Inaugural ceremony of the ACM chapter, Anuradha Engineering College, Chikhali, Buldhana, 15 September 2007.
21. External Examiner for Post Graduate thesis supervision, Sant Gadage Baba University, Amaravati.
22. External Examiner for Post Graduate thesis supervision, Mumbai University.
23. External Examiner for Post Graduate thesis supervision, Shivaji University, Kolhapur.
24. Adjunct Professor at Walchand Institute of Technology, Solapur, 2009-10, 2010-11, 2011-12.
25. Adjunct Professor at South Indian School of Technology, Panvel, Mumbai. 2011-12,
26. Board Of Studies member (computer) at Solapur University, Solapur since June 2014.
27. Board Of Studies member (IT) at Solapur University, Solapur since June 2011.
28. BOS member at Bharati Vidyapeeth, Pune, from 2004 to 2009.
29. VC nominee Pune University for UGC staff selection committee at Dr. D Y Patil College of Engineering, Pune, on 17/4/2012.
30. Subject Expert Pune University for UGC staff selection committee at KK Wagh College of Engineering, Nashik.
31. Office automation and Biometrics (Smart Card) Coordinator in Bharati Vidyapeeth College of Engineering, Pune. 2007-2009.
32. NBA Coordinator at Bharati Vidyapeeth, Pune from 2004 to 2009
33. NAAC Coordinator at Bharati Vidyapeeth, Pune, from 2004 to 2009
34. Approved PG Teacher, Bharati Vidyapeeth University, College of Engineering, Pune.
35. Chairman of CSE Chapter, BVDUCOE, Pune.
36. External Examiner for M.E. / M. Tech. Projects in Pune, Mumbai, Shivaji, Solapur and Amaravati University.
37. More than 50 undergraduate and 30 Postgraduate Projects have been evaluated at Bharati Vidyapeeth Deemed University College of Engineering Pune.
38. Member of convocation ceremony of BVU, Pune, Feb 2008.
39. VC nominee Pune University for UGC staff selection committee at MIT College of Engineering, Pune, on 19/4/2012
40. R & D Coordinator for Ph. D. in Bharati Vidyapeeth, University, Pune, 2006-2009.
41. Project Evaluator of IGNOU & V.M.M.I.
42. Expert faculty for BCA/MCA of IGNOU.

Professional Affiliations

- ISTE permanent Member LM 33052.
- IEEE Computer Society of India, INS 100409.
- World Scientific Engineering and Academic Society(WSEAS).

Ph. D. Supervision

- 7 students Completed, 2scholars Pursuing in Pune University

M. Tech. Projects Supervision

- 74 students completed, 2 scholars Pursuing

Reviewer

1. Reviewer of 2nd International Conference on Emerging trends and Innovations in ICT-2022 (ICEI-2022) from 10th March to 12th March 2022.
2. “Advances In Science, Engineering And Technology For Sustainable Development”, (NCASETSD-2022) during May 20-21, 2022.
3. Reviewer of IDAS International Conference papers.
4. Reviewer for IEEE Computer society International conferences and Journals
5. Reviewer for WSEAS (*World Scientific and Engineering Academy and Society*) Publications.
6. Reviewer for SPIE (Photographic Instrumentation Engineers) Publications.
7. Reviewer of ACM Journal Papers

Community Services

1. Covid 19 Worrier at Pune Mach to June 2020,
2. Expert Lecturer on “Introduction of Computers” to the School children living in Dnyanganga School, Solapur on 05/09//2014.
3. Expert Lecturer on “Computer Literacy” to the Staff members of Panchayat samitee, Akalkot,Dist: Solapur on 05/09/2013.
4. Conducted a workshop on “Uses of Internet” to school/Junior college children living in ZP school and Jr college, Tadwal, Tal-Akalkot, on 11/09/2012.
5. Expert Lecturer on “Use of Information Technology in Today's world” to the School of Bharati Vidyapeeth, Pune on 22/06/2011.
6. Lift Irrigation scheme Implemented for 200 farmers around Bank of Bhima River at Ankalage Tal: AkalkotDist: Solapur during 2008 to 2012.
7. Earth Quake Worrier for 8 days at KhillariDist: Latur after 30 September 1993.