



Dr.(Mrs.) Pushpa Manoj Bangare

Ph.D.(Electronics &  
Telecommunication)

Email ID:

[pushpa.bangare@gmail.com](mailto:pushpa.bangare@gmail.com)

Mobile: 9850015231

### Academic Qualification:

Degree	Institute Name	University Name	Year of Passing	Qualification Status
<b>Ph.D.</b>	Sinhgad College of Engineering, Pune	Savitribai Phule Pune University, Pune	2020	Completed
<b>M.E.</b>	Sinhgad College of Engineering, Pune	Savitribai Phule Pune University, Pune	2011	First Class
<b>B.E.</b>	J.N.E.C ,Aurangabad	Dr.BAMU,Aurangabad.	2004	First Class

### Training Details

#### Industrial Training

Training Title	Arrange By	Venue	Date	Level	Category	Type
Two week Industrial training	“inYantra Technologies Private Limited”	Shirwal, Pune	5 <sup>th</sup> Jan. -19 <sup>th</sup> Jan. 2023	-	Industrial training	External
Two week Industrial training on “Applied Machine Learning & AI & Its Applications using Python”	EduxLabs - cell IIT, Hyderabad	Online	27 Sep.-10 Oct. 2021	-	Industrial training	External
Train The Trainers-2024-25 program for subject VLSI Design and Technology .	Department of Electronics and Telecommunication Engineering, STES's Smt. Kashibai Navale College of Engineering, Vadgaon(bk), Pune 41	Department of Electronics and Telecommunication Engineering, STES's Smt. Kashibai Navale College of Engineering, Vadgaon(bk), Pune 41	25 <sup>th</sup> to 27 <sup>th</sup> June 2024	State	For faculty	Internal
Train The	Department of	Department of	25 <sup>th</sup> to 27 <sup>th</sup>	State	For faculty	Internal

Trainers-2024-25 program for subject Digital Circuits	Electronics and Telecommunication Engineering, STES's Smt. Kashibai Navale College of Engineering, Vadgaon(bk), Pune 41	Electronics and Telecommunication Engineering, STES's Smt. Kashibai Navale College of Engineering, Vadgaon(bk), Pune 41	June 2024			
Train The Trainers-2023-24 program for subject VLSI Design and Technology .	Department of Electronics and Telecommunication Engineering, STES's Smt. Kashibai Navale College of Engineering, Vadgaon(bk), Pune 41	Department of Electronics and Telecommunication Engineering, STES's Smt. Kashibai Navale College of Engineering, Vadgaon(bk), Pune 41	10th to 12th July 2023	State	For faculty	Internal
Train The Trainers-2024-25 program for subject Digital Circuits	Department of Electronics and Telecommunication Engineering, STES's Smt. Kashibai Navale College of Engineering, Vadgaon(bk), Pune 41	Department of Electronics and Telecommunication Engineering, STES's Smt. Kashibai Navale College of Engineering, Vadgaon(bk), Pune 41	10th to 12th July 2023	State	For faculty	Internal
Train the Trainer Program –TE (E&TC) for subject Cellular Networks	Department of Electronics and Telecommunication Engineering, STES's Smt. Kashibai Navale College of Engineering, Vadgaon(bk), Pune 41	Department of Electronics and Telecommunication Engineering, STES's Smt. Kashibai Navale College of Engineering, Vadgaon(bk), Pune 41	20th to 22th December 2023.	State	For faculty	Internal
One day IP Awareness training program under National Intellectual Property Awareness Mission	Department of Electronics and Telecommunication Engineering, STES's Smt. Kashibai Navale College of Engineering,	Online	26 <sup>th</sup> March 2024	State	For faculty	Internal

	Vadgaon(bk), Pune 41.					
One day Energy literacy training program of the Energy Swaraj Foundation 6 <sup>th</sup> Oct.2023.						
Train the Trainer Program –SE (E&TC) Curriculum for Network Theory	Dept. of E &Tc SAE, Pune	Dept. of E &Tc SAE, Pune	2 <sup>th</sup> -7 <sup>th</sup> June 2014.	State	For faculty	External

### Workshop Conducted

Workshop	Topic	Conducted By	Date	Level	Category	Type
Two week	Recent Trends in AI, ML and IoT	Department of Electronics and Telecommunic ation Engineering, STES's Smt. Kashibai Navale College of Engineering, Vadgaon(bk), Pune 41.	12/06/2024 to 25/06/2024	State	ISTE sponsored STTP	Internal
One day workshop	Intellectual Property Rights (IPR) & Patent, Designs filing	Department of Electronics and Telecommunic ation Engineering, STES's Smt. Kashibai Navale College of Engineering, Vadgaon(bk), Pune 41.	26 <sup>th</sup> March 2024	State	workshop	Internal

### Workshop Attended

Workshop	Topic	Conducted By	Date	Level	Category	Type
Two week ISTE approved	Innovative Teaching and Research Methodolo gies	Smt. Kashibai Navale College of Engineering, Pune.	20.02.2024 to 04.03.2024	National	ISTE approved SF- STTP/FDP Programme	External
Two week ISTE approved	Advances & Application s of Artificial Intelligence & Machine	Sinhgad Technical Education Society's Sinhgad College of Engineering,	22 Nov.- 02 Dec. 2021	National	ISTE Approved FDP	External

	Learning	Vadgaon, Pune				
12 week FDP	Computer networks and Internet Protocol	AICTE	Jan-April 2020.	National	NPTEL-AICTE Course	External
12 week FDP	Digital Electronic Circuits	AICTE	Jan-Apr. 2020.	National	NPTEL-AICTE Course	External
Two week	Practical based designing and system modeling with “MATLAB & Simulink”	Smt. Kashibai Navale College of Engineering Pune	December 02 - 13, 2019	National	AICTE-ISTE Approved STTP	Internal
Two week	IoT & BIG-DATA	P.R.Pote Patil Edu. & Welf. Trust's Group of Institute COE & Management, Amaravat	18-27 June 2018	National	ISTE sponsored STTP	External
Two week	Ethics and Moral Values	Smt. Kashibai Navale College of Engineering Pune	December 05 - 18 2017	National	AICTE sponsored FDP	Internal
One week	Machine Learning and Its Applications.	Maharshi Karve Stree Shikshan Samstha's Cummins College Of Engineering For Women	29 <sup>th</sup> April to 3 <sup>rd</sup> May 2024.	State	ISTE approved STTP	External
One week	Recent Advancement & Development in Renewable Energy Technologies	Sinhgad College of Engineering, Vadgaon	08.01.2023 to 13.01.2023	State	ISTE approved STTP	External
One week	Fundamentals of Chip Designing	Department of Electronics and Telecommunication Engineering, Dr.D.Y.Patil Institute of Technology in association with BoS (E&TC) SPPU, ISVE and IEI	22nd - 27th January, 2024	State	ISTE approved FDP	External
One week	5G And Its Impact On	Maharshi Karve Stree	27/11/2023 To 02/12/2023.	State	ATAL FDP	External

	Iot Applications In Agriculture And Manufacturing Sectors	Shikshan Samstha's Cummins College Of Engineering For Women				
One week,	Battery Management system for Electric Vehicels	Sinhgad College of Engineering, Vadgaon, Pune	09.10.2023 to 14.10.2023	State	ISTE approved STTP	External
One week	Cloud Infrastructure (AWS)	Smt. Kashibai Navale College of Engineering in collaboration with Brainovision Solutions India Pvt.Ltd. & AICTE	21 <sup>st</sup> to 25 <sup>th</sup> August 2023	National	National level FDP	Internal
One week.	Future Trends in 5G & 6G Challenges, Architecture & Applications	Department of Electronics and Telecommunication Engineering, K J College of Engineering and Management Research, Pune	16th-20th August 2022	State	ISTE approved STTP	External
One-Week	Understanding Blockchain Technology and Its Applications	Department of Electronics & Telecommunication Engineering and Department of Computer Engineering Samarth Group of Institutions College of Engineering, Belhe, Pune	8th to 12th August 2023.	State	Technically Sponsored by IETE Pune Centre	External
One week	Internet of Things- Industry 5.	Dept. of IT, Smt. Kashibai Navale College of Engineering	20-24 Feb. 2023.	National		Internal
One week	Recent Advances in Deep Learning and its Multidisciplinary Approach	Sinhgad College of Engineering, Vadgaon, Pune	23.01.2023 to 28.01.2023	State	ISTE approved STTP	External
One week	Data	Department of	8th-12th	State	STTP	External

	Analysis and Machine Learning for Engineering Research using Python and MATLAB	Electronics and Telecommunication Engineering, K J College of Engineering and Management Research, Pune – 48,	August 2022			
One Week	Introduction to Machine Learning		18th to 22nd April 2022	State	Faculty Development Program	External
One week	Deep Learning and Python	IT,AISSMS,I OIT	19-24 Sept.2022	National	FDP	External
One week	Outcome Based Teaching-Learning	Pravara Rural Engineering college, Loni	21-25 March 2022.	State	ISTE sponsored FDP	External
One Week	Machine Learning	SIT, Lonavala, Pune	7 <sup>th</sup> to 11 <sup>th</sup> December 2022	State	Faculty Development Program	External
One week	Data Analytics with Python	Sandip Institute of Engineering & Management , Nashik	24-28 May 2021	State	AICTE sponsored STTP	External
One week	Innovative and Inventive Problem Solving	AISSMS COE, Pune	6-11 July 2021	State	FDP sponsored by AICTE AQIS STTP	External
One week	Technology Startup & IPRS	Dr. Babasaheb Ambedkar Technological University	15-17 March 2021	State	TEQIP-III sponsored FDP	External
One-week.	Recent Trends in Communication Engineering (RTCE '21)	Department of E&TC Engineering, Sinhgad College of Engineering, Pune,	Aug. 23-27, 2021	State	FDP in association with IEEE Pune Section Communication Society	External
One week	Digital skill development for professionals	Jayawant Shikshan Prasarak Mandal's (Jspm's) Bhivarabai Sawant Institute Of Technology And Research, Wagholi Pune	08/02/2021 to 13/02/2021.	State	AICTE sponsored STTP	External
One week	LINUX AWK	Dept. of IT SKNCOE, Pune	23-30 April 2020	State	FDP	External
One week.	Research Trends in Medical Imaging	Dept. of Computer engineering SKNCOE, Pune	5 Oct-10 Oct. 2020	State	FDP	External

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One week	Digital Twin Technology for Industrial Automation Process	Satyabama Institute of Science & Technology , Chennai	5-10 Oct. 2020	State	AICTE sponsored STTP	External
One week	Nanostuctured Materials in Catalysis	Department of Science and Technology, Government of India	25 -29 March,2019.	State	FDP sponsored Science and Engineering Research Board(SERB)	External
One week	Outcome Based Education	Smt. Kashibai Navale College of Engineering Pune	December 19 - 24,2019	State	AICTE-ISTE Approved STTP	External
One week	Cyber security and data sciences	Smt.Kashibai Navale College of Engineering Pune	10-16 June 2019	State	PMMMNM T sponsored FDP	Internal
8 week	Introduction to Machine Learning	AICTE	Jul-Sept.2019.	State	FDP NPTEL- AICTE Course	External
One week	Cyber security and data sciences	Pimpri Chinchwad College of Engineering & Research, Ravet Pune	30 April-05 May 2019	State	PMMMNM T sponsored FDP	External
One week	Image Processing-Advances & Research Challenge	Sinhgad College of Engineering Pune	December 11 - 15, 2017	State	FDP sponsored by IEEE & MathWorks	External
One week	Networking and switching	Bharati Vidyapeeth Deemed University COE	07 - 11 Feb. 2017	State	TEQIP-II sponsored FDP	External
One week	Embedded System Design	Bharati Vidyapeeth Deemed University COE	07 - 11 Oct. 2016	State	TEQIP-II sponsored FDP	External
One week	Advances in Wireless and Mobile Technologies	Sinhgad College of Engineering Pune	07 - 11 June. 2016	State	FDP	External
One week	RF Sytem & Design	Sinhgad College of Engineering Pune	07 - 11 Dec. 2015	State	FDP	External
One week.	Emerging Technologies in Audio & Video Engineerin	Sinhgad College of Engineering Pune	June 09 -13 2014	State	IETE sponsored FDP	External

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One week	Effective Teaching	Sinhgad College of Engineering Pune	22 -26 Oct. 2007	State	AICTE sponsored SDP	External

### Conference Conducted

Name	Venue	Date	Level	Category	Sponsored By
National Conference on Latest Trends in Electronics & Telecommunication	Department of E&TC Engineering, Sinhgad College of Engineering, Pune,	23-24 October, 2013	National	NCLTE-2013	Quality Improvement Program Board of College & University Development University of Pune

### Conference Details

Name	Venue	Date	Level	Category	Sponsored By
P. M. Bangare, “Design and Implementation of Vehicle Tracking System(Online black box)”, in National Symposium on Pervasive Computing, Design and Implementation of Vehicle Tracking System(Online black box)”	Sinhgad College of Engineering Pune	NSPC-2013	National	NSPC-2013	-
P. M. Bangare M.B.Mali, “Remote Access of Energy Meter Through Wireless communication in National Conference in Pervasive Computing, NSPC-2010.	Sinhgad College of Engineering Pune	NSPC-2010	National	NSPC-2013	-
P. M. Bangare Intelligent Energy Billing and	Sinhgad College of Engineering Pune	2011	National	NSPC-2013	-



Security System”, National Conference in Advances in Electronics and communication Engineering, 2011.					
P. M. Bangare Auto billing and control system for energy meters”,in ePGCon First electronics Post Graduate Conference,2008.	PICT,Pune	2008	State	ePGCon	-
P. M. Bangare, “Early Warning System for landslide Detection using GTBS Protocol”,in ePGCon First electronics Post Graduate Conference,2017.	SCOE,Pune	2007	State	ePGCon	-

### Research Project

Project name	Description	Status	Budget	Project type

### Research Paper & Journal

ISSN/ISBN No	Paper Title	Publish Date	Journal/Conference Name	Level	Paper Status	Authors
ISSN:2662-9984, Volume 5, article number 6, pp.1-10	Internet of Things Sensors and Support Vector machine integrated intelligent irrigation system for agriculture industry	11 January 2024	Discover Sustainability (2024)	Internatinal	Published	Pushpa M. Bangare et al.
ISSN:2676-7104, Vol 13: Issue 2, pp.142-150.	Classifying Brain Tumors from MRI Images Using Object Detection and CNN	2024	Frontiers in Health Informatics	Internatinal	Published	Pushpa M. Bangare et al.
Pushpa M. Bangare et al. Vol. 47 Special Issue No. 1,	Exploring Machine Learning Algorithms for Early Depression	June 2024	INDIAN JOURNAL OF TECHNICAL EDUCATION	Internatinal	Published	Pushpa M. Bangare et al.

pp.98-103	Prediction: A Comprehensive Survey					
Vol. 47 Special Issue No. 1 June 2024.	Machine Learning-Driven Depression Detection: A Gradient Boosting Approach for Textual Analysis	June 2024	INDIAN JOURNAL OF TECHNICAL EDUCATION	Internatinal	Published	Pushpa M. Bangare et al.
<a href="https://doi.org/10.1007/s42452-023-05484-8">https://doi.org/10.1007/s42452-023-05484-8</a>	Internet of things driven multilinear regression technique for fertilizer recommendation for precision agriculture	13 September 2023	SN Applied Sciences	Internatinal	Published	Pushpa M. Bangare et al.
Vol.2022,Article ID 3398156	Image Processing and Machine Learning-Based Classification and Detection of Liver Tumor	26 July 202	Hindawi BioMed Research International	Internatinal	Published	Pushpa M. Bangare et al.
ISSN 20220112 <a href="https://www.degruyter.com/document/doi/10.1515/pjbr-2022-0112/html">https://www.degruyter.com/document/doi/10.1515/pjbr-2022-0112/html</a> .	Ultra-low latency communication technology for Augmented Reality application in mobile periphery computing	2023	Journal of Behavioral Robotics	Internatinal	Published	Pushpa M. Bangare et al.
Volume:05,Issue:11	High Speed Multichannel Radar Signal Data Acquisition System	11, November-2023	International Research Journal of Modernization in Engineering Technology and Science	Internatinal	Published	Pushpa M. Bangare et al.,“
Vol.2022,Article ID 2318101.	Appropriate Supervised Machine Learning Techniques for Mesothelioma Detection and Cure		Hindawi BioMed Research International	Internatinal	Published	Pushpa M. Bangare et al
Vol 51, part 8, Pages 2457-2461.	Role of machine learning in improving tourism and education sector	2022	Elsevier	Internatinal	Published	Pushpa M. Bangare et al
Volume: 32 - Issue:3, Pages: 12508 – 12511.	Scheduling Algorithm in Cloud Computing Approach	2021	Turkish Journal of Physiotherapy and Rehabilitation	Internatinal	Published	Pushpa M. Bangare et al
VOL 2021:	High-	2021	Design	Internatinal	Published	Pushpa M.

ISSUE 07, 2021, pp 7550-7556	Performance Computing Challenges & Benefit		Engineering			Bangare et al
VOL 2021: ISSUE 07, 2021, pp 7542-7549	Fog computing based security of IoT application	2021	Design Engineering	Internatinal	Published	Pushpa M. Bangare et al
pp.633-648)	Analysis of Dynamic Scheduling Algorithm for Reconfigurable Architecture	2020	In Book: ICCCE 2020	Internatinal	Published	Pushpa M. Bangare et al
Vol 6, Issue.1, pp.-24-32	Dynamic task scheduler for Reconfigurable Devices	2020	International Journal of Solid State Materials	Internatinal	Published	Pushpa M. Bangare et al
Vol. 11, Iss. 04, Apr. 2019, pp-1469-1479. [SCOPUS SJR].	Dynamic Reconfiguration- The Promising Technique for High Performance Computing	Apr. 2019	Journal of Adv Research in Dynamical & Control Systems	Internatinal	Published	Pushpa M. Bangare et al
Vol. 07, Iss. 08, Oct. 2019, pp 455-458.	LBIST Design using STUMPS Architecture	Oct. 2019	International Journal of scientific research & development	Internatinal	Published	Pushpa M. Bangare et al
28(13), pp. 130–137(Scopus indexed)	Fuzzy based water irrigation system	2019	International Journal of Advanced Science and Technology	Internatinal	Published	Pushpa M. Bangare et al
vol. 6, iss. 4, April 2019, pp 425-435.[Impact Factor: 5.87, ISSN: 2349-5162, Publisher: IJPUBLICATI ON, UGC approved journal]	Leaf Disease Classification using Machine Learning	April 2019	Journal of Emerging Technologies and Innovative Research	Internatinal	Published	Pushpa M. Bangare et al
vol. 6, iss. 5, May 2019, pp 315-320.[Impact Factor: 5.87, ISSN: 2349-5162, Publisher: IJPUBLICATI ON, UGC approved journal]	Support Vector Machine for Leaf Disease Classification	May 2019	Journal of Emerging Technologies and Innovative Research	Internatinal	Published	Pushpa M. Bangare et al
vol. 6, iss. 5, May 2019, pp 563-567. [Impact Factor: 5.87, ISSN: 2349-5162,	Condition Monitoring of Renewable Energy Resources	May 2019	Journal of Emerging Technologies and Innovative Research	Internatinal	Published	Pushpa M. Bangare et al

Publisher: IJPublication, UGC approved journal]						
vol. 6, iss. 5, May 2019, pp 558-562.[Impact Factor: 5.87, ISSN: 2349-5162, Publisher: IJPublication, UGC approved journal]	Wireless Sensor Network based Fault Diagnosis of Solar based Street Light	May 2019	Journal of Emerging Technologies and Innovative Research	International	Published	Pushpa M. Bangare et al
vol. 10, iss. 08, pp. 47-52, [ISSN: 0974 – 9543]	An Overview of Artificial Neural Networks: Part 1”	Feb, 2018	CiiT International Journal of Artificial Intelligent Systems and Machine Learning	International	Published	Pushpa M. Bangare et al
Vol. 10. Iss. 3. pp 66-71. [ISSN: 0974 – 9543]	An Overview of Artificial Neural Networks: Part 2 McCulloch-Pitts Model	April 2018	CiiT International Journal of Artificial Intelligent Systems and Machine Learning	International	Published	Pushpa M. Bangare et al
Vol. 10. Iss. 5. May 2018, pp 77-82. [ISSN: 0974 – 9543]	Genetic Algorithm: A Search based Optimization Technique	May 2018	CiiT International Journal of Artificial Intelligent Systems and Machine Learning	International	Published	Pushpa M. Bangare et al
Vol. 10, No. 6, pp. 147-149, Jun. 2018.	Early Warning System for Landslide Detection Using GTBS Protocol	Jun. 2018	CiiT Int. J. of Fuzzy Systems	International	Published	Pushpa M. Bangare et al
Vol.5, Issue 8, pp. 115-119, ISSN: 2319-1163	Reservation Based S- Park System Using Embedded Server and Android Application	Aug. 2016	Int. J. of Research in Engineering & Technology (IJRET)	International	Published	Pushpa M. Bangare et al
vol. 3, iss.8, pp. Impact Factor:4.5, ISSN: 2395 – 0056, 2395-0072]	Wireless Controlled SPY ROBOT	Aug, 2016	International Research Journal of in Engineering and Technology	International	Published	Pushpa M. Bangare et al
vol. 04, iss. 06, pp. 792-797, Impact Factor:5.181, ISSN: 2395 – 0056, 2395-	Internet of Things for Smart City	Jun, 2017	International Research Journal of in Engineering and Technology	International	Published	Pushpa M. Bangare et al

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vol. 04, iss. 06, pp. 787-791, Impact Factor:5.181, ISSN: 2395- 0056, 2395- 0072	Supply Chain Management using Internet of Things	Jun, 2017	International Research Journal of in Engineering and Technology	Internatinal	Published	Pushpa M. Bangare et al
ISSN 1876- 1100 ,Pages 633-648	Analysis of Dynamic Scheduling Algorithm for Reconfigurable Architecture	16-17 Dec, 2019	2 <sup>nd</sup> International Conference on Advances in Computing and Communicatio n Technologies	Internatinal	Published	Pushpa M. Bangare et al
	Scheduler for Reconfigurable Devices"	feb. 13- 14, 20 20	Int. Conference on Pervasive Computing	Internatinal	Published	Pushpa M. Bangare et al
	Automatic water billing system using Andrrroid Application	May 18 <sup>th</sup> & 19 <sup>th</sup> 2011	3 <sup>rd</sup> International Conference on Recenr Trends in Electronics ,Information & Communicatio n Technology (RTEICT- 2018)	Internatinal	Published	Pushpa M. Bangare et al

### Membership Details

Membership Body	Details	Duration	Level
ISTE	Membership No. LM 63346	Life time	International

### Declaration

I hereby declare that all the above information furnished by me are true to the best of my knowledge.

Date: 05 September 2024

Dr.(Mrs.) Pushpa Manoj Bangare

