

Mrs. Vaishali Sandeep Baste

M.E. (Electronics)

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Awards/Honors/Achievements

- Received **Best teacher Award** at Institute level for the overall excellent contribution in academic year 2021-22
- Convener for National conference IEEE Technico Knockdown2021 (TKD21) in association With IEEE Bombay Section, IEEE SITSB and IETE, SIT,Lonavala,5th June2022.
- Delivered session on Hands-on ML Algorithm in one week FDP on Recent trends in Artificial Intelligence and Data Analytics during 3-8Oct 2022 at PCCOE,Ravet
- Published Patent** on the topic Design and Development of AI Based Compact Sanitization Robot System,20 Nov2020
- Completed 1 month online Internship on Machine Learning at Pantech Prolabs India Pvt Ltd from 1July-30July21
- Completed online Course on Machine learning with Python provided by Great Learning Academy
- Received Rs.13,000 fund for Stem Electronic Workshop-Techworld from IEEE Bombay Section coordinated event under IEEE SIT SB
- Received Rs.7273 fund from IEEE Bombay section to do different activities for students under IEEE SIT SB for Academic year 2021-22
- Received Rs.6472.36 fund from IEEE Bombay section to do different activities for students under IEEE SIT SB for Academic year 2020-21
- Sanction Proposal of amount \$500 by IEEE HAC for the event Spreading Brightness Through Sustainability -solar lamp and awareness training for rural areas and also Coordinated event on 29-12-2020 at Nagnath Madhyamik Vidyalaya Aundhe Khurd, Near Lonavala.
- Coordinated virtual Post covid-19 Hackathon -Rehabilitation- Leverging opportunities through Technology intervention to improve society in collaboration with IEEE SAC,IEEE SB SITRC, Nashik, PCCOER, Ravet, IEEE SIT SB, Lonavala 27-29Nov 2020
- Delivered Expert session on Problem Solving techniques of BCH and RS code,organized by SNJB's Late Sau Kantabai Bhavarlalji Jain COE, Chandwad,Nashik, 15May2021
- Delivered Expert session on one day workshop on Machine Learning under IETE Club, E&TC Dept,SIT Lonavala ,17Sep 2021
- Keynote Speaker in one week FDP on "Role of Honour Courses in Engineering Education &Research, organized by E&TC Dept, SIT Lonavala,25Oct2021

- Delivered Session for “One Week SPPU Honour Degree Subjects Orientation program”, Organized by Career Counseling Centre, STES, Lonavala and E&TC Department, SIT, Lonavala, 05/06/2021
- Received Appreciation from Energy swaraj team for organizing webinar Student Solar Ambassador Workshop 2020
- Received appreciation from IEEE sight Bombay section for delivering session for “SIGHT DAY CELEBRATION on the Topic of IEEE HAC sponsor project –experience sharing of Being a member of working on a project, 28th April 2021
- Convener for National conference IEEE Technico Knockdown 2021 (TKD21) in association With IEEE Bombay Section, IEEE SITSB and IETE, SIT, Lonavala, 30th May 2021.
- Worked as Session Coordinator in 6th International Conference for Convergence in Technology (I2CT) during 2nd to 4th April 2021.
- Appreciation for coordinating different event under IEEE SIT SB.
- Elite +Silver Certificate for the course Introduction to Internet of Things-12 week FDP Course, July-Oct 2019.
- Successfully completed NPTEL online course Certification on Introduction to research with Elite certification on Feb- Apr 2019 (8week course)
- Received appreciation letter from Skill IT company for organization workshop on “Six Sense Robotics”.
- Received appreciation for IOT Project competition co-ordination. On 21st feb 2019.
- Successfully completed AICTE approved FDP 101x on foundation program in ICT for Education during 13sep 2018 to 18 oct 2018 considered as 2 week FDP course at Remote Centre, SIT, Lonavala
- Worked as Resource person in FDP at SAE, Konthava, Pune
- Received appreciation letter for becoming Judge for project exhibition on 27 Sept 2018 at SIT, Lonavala

Academic Qualification:

Degree	Institute Name	University Name	Year of Passing	Qualification Status
Ph.D.	SCOE, Vadgaon, Pune	SPPU	Pursuing	Pursuing
M.E./M. Tech	RIT, Islampur	Shivaji	2011	Completed
B.E./B. Tech	A.V.C.O.E, Sangamner	SPPU	2005	Completed

Training Details

Training Title	Arrange By	Venue	Date	Level	Category	Type
Internship on Python	Pantech Prolabs India Pvt Ltd	Online,	22 Dec 2022	-	Internship	
STTP on Cloud Computing using Amazon Web Server (AWS) and Google Cloud Platform (GCP)	Under ISTE, Dept of E&TC Engg, KJCOEMR pune-48	Online,	9-23 Sept 2022	-	STTP	ISTE
One Week Online Short Term Training Program (STTP) On	AICTE Quality Improvement Scheme (AQIS)	Online,	24 -29 January, 2022		STTP	AICTE Quality Improv

"MACHINE LEARNING"	Organized by Department of E&TC Engineering, Dr. J. J. Magdum College of Engineering, Jaysingpur, Maharashtra					ement Scheme (AQIS
International Short Term Training Programme (STTP) through ICT mode on 'Advanced Applications in Artificial Intelligence and Machine Learning	Marathwada Mitra Mandal's Institutions MMCOE and MMIT	Online,	2- 6August 2021	Internationa	STTP	
Internship on Machine Learning	Pantech Prolabs India Pvt Ltd	Online,	1July-30July21	-	Internship	-
course on Machine learning with Python	Great learning Academy	Online	July2021	-	Internship	
Short Term Training Program on "RECENT TRENDS IN DATA SCIENCE AND INFORMATION SECURITY	Department of Computer Engineering, RAIT,Mumbai	Online	22nd June to 26th	-	STTP	
online 4 week NPTEL Python Course with 71%	IIT,Bombay	Online	Jan-Feb2020			
5 days STTP on Signal Analysis Machine Learning And Its Applications using Python and MATLAB	Depart of E&TC Engg in association with IETE- RAIT	Online	june1-5,2020		STTP	IETE
Short Term Training Program on "MATLAB based Teaching-Learning in Mathematics, Science & Engineering	Department of Electronics Engineering, Ramrao Adik Institute of Technology, Nerul, Navi Mumbai in collaboration with DesignTech Systems Pvt. Ltd., Mumbai	Online	18 to 22 May 2020			

SSA101x: hands on training on Solar lamp assembly	IIT,Bombay	Online	01may to 31 Dec 2019			
3 days train the trainer program	SCOE,Vadgaon,Pune	SCOE,Vadgaon,Pune	16-18th dec2019			
Elite certificate for the NPTEL course Introduction to research	IIT,Bombay	online	feb-april2019 (8 week)		NPTEL course	
5 Microsoft training programs	SIT, Lonavala.	IIT,Bombay	online		Training	
short term training program on Advanced VLSI & Embedded System	SIT,Lonawal	SIT,Lonawal	(22-26Nov2010		STTP	
"Train the Trainer"	NTTF, Bangalore & ISTE Chapter ,A.V.C.,O.E, Sangamner.	,A.V.C.,O.E, Sangamner	15th 17th may 06		TT	

Workshop Details

Workshop Organized

Workshop	Topic	Conducted By	Date	Level	Category	Type
2days	Stem Electronic Workshop-Techworld for 8-10th school students	SIT Lonavala	29-30th Aug22	Institute	IEEE SIT SB in collaboration with IEEE Thakur college ,Mumbai in association with IEEE Bombay section	WS
1 day	IEEE Day	IEEE SIT SB,SIT,Lonavala	10/10/2022	Institute	IEEE SIT SB,	Day celebration
2days	Smelt –Nashlon Hackover	IEEE SIT SB,SIT,Lonavala	05-07/11/2022	Intra Institite	In association with IEEE SIT SB,IEEE Sandip foundation andIEEE Bombay section	WS+hacathon
1 day	IEEE Chapter	IEEE SIT	07/11/2022	Institute	IEEE SIT	

	Inauguration	SB,SIT,Lonavala	2		SB,	
5 days	Online Web winners week,(workshop followed by Hacathon)	SIT Lonavala	Ws-28-31stOct21,Hacathon-1-2Nov21	Institute	IEEE SIT SB in collaboration with IEEE DBCE,Goa in association with IEEE Bombay section	workshop followed by Hacathon)
1 day	Innovative Project online competition on Artificial Intelligence and Machine learning	SIT Lonavala	09/07/2021		IEEE Student Branch and Career Counselling Center, STES SIT	Project competition
1 day	Online IEEE day celebration	IEEE SIT SB,SIT,Lonavala,	05/10/2021	Institute	IEEE SIT SB,	Day celebration
1 day	Online Teachers day & Engineers day celebration	IEEE SIT SB,SIT,Lonavala	15/09/2021	Institute	IEEE SIT SB,	Day celebration
1 day	Online PCB Designing Webinar and Inaugurating ceremony of new IEEE SIT SB execom Team	IEEE SIT SB,SIT,Lonavala	09/10/2021	Institute	IEEE SIT SB,	WS
3 day	Online virtual Post covid-19 Hackathon - Rehabilitation - Leveraging opportunities through intervention to improve society in collaboration	IEEE SAC,IEEE SB SITRC,Nashik, PCCOER, Ravet, IEEE SIT SB,Lonavala	27-29Nov2020.	Intra-Institute	In association with IEEE SAC,IEEE SB SITRC,Nashik, PCCOER, Ravet,	Havathon
5 days	online STTP on Statistics for AI & ML	SIT,Lonavala	22-26Feb2021		IEEE SIT SB,	STTP
1 day	Online Webinar on Artificial Intelligence and Data analytics under	SIT,Lonavala	28th june 2020		IEEE SIT SB,SIT Lonavala in associatio	Webinar

					n with IEEE Bombay Section	
1 day	International Webinar on Blockchain Demystified	SIT,Lonavala	30th may 2020	International	Dept of E&TC with association with High voltage club ,Nashik	Webinar

Workshop Attended

Workshop	Topic	Conducted By	Date	Level	Category	Type
5days	Machine learning using Python	ISBM College of engg,AI&ML Dept,	13-17Oct 2022		WS	
3days	Faculty Orientation Workshop on BE(E&TC) revised syllabus (2019 Course) under the aegis of Board of Studies (E&TC), Savitribai Phule Pune University,	Online Dept. of E&TC Engineering, Sinhgad College of Engineering,	14-16 July,2022		WS	,
5days	"Putting Science and Engineering in Practice using MATLAB	IETE Students Forum (ISF), Department of Electronics & Communication Engineering, in association with MathWorks, IETE & IEEE Pune, MIT Art, Design and	28 July to 1 August 2020	National	WS	

		Technology University,				
1day	Writing & Publication	Pinnacle EDUCARE ,Pune	May 6, 2020	National Level	WS	
1day	one day Python workshop	SIT,Lonavala under ICT at IIT Bombay funded by PMMMNMTT	22nd june 2019		WS	
1day	Antennas for Modern Wireless Communication	Sponsored by SPPU,at AISSMS,IOT,Pune	1st and 2nd FEB 2018		WS	
2days	WSN fundamentals and protocol Design using NS2- 3	SIT,Lonavala	Jan23-24,2016		WS	
2days	Research Methodology	Mechanical Engg dept, SIT,Lonavala	Aug10-11,2015		WS	
2days	"FPGA & its Industry Apps	SIT, Lonavala	4,5Feb14		WS	
2days	"Analog and Digital CMOS Design Using Microwind"	MAE Alandi	10to12 Oct2013		WS	University sponsored
1day	one day workshop on Syllabus exploration	SITS, Narhe	7Feb 11		WS	
2days	"Programmable System on Chip "	SIT Lonavala in collaboration with IRF group,Pune and Cypress, Bangalore	06-07 Feb 2010		WS	
2days	Workshop on "Hands on Pic Microcontroller	Skncoe,Pune.	12-13Feb 2010		WS	
2days	"VLSI IC Design	SIT,Lonawala in collaboration with RFIC solutions Inc	28-29 Oct 09		WS	

2days	International Workshop on "Global ICT Standardization Forum for India"		19-21 March 2009		WS	sponsored by AICTE New Delhi & CTIF Denmark
3days	Soft skills Development for effective Teaching'	Smt. Kashibai Navale college of Education & training B.Ed, Lonawala.	25-27 June 2008		WS	
2days	Matlab & Simulink	A.V.C.O.E, Sangamner	21-22 Nov, 2006.		WS	
5days	Recent Trends in Artificial Intelligence, IOT and Data Analytics	PCCOER, Ravet Pune	3-8 OCT 2022	National	FDP	technically sponsored by IEEE Bombay Section, IETE Pune center and supported by IEEE SB IETE ISF
3days	'Research Methodology and Techniques	Sandip Institute of engineering and Management Nashik	04-06 July 2020	International	FDP	
5days	Data Science for Engineering Problem Solving	Computer Dept, SKNCOE	05-10 Oct 2020		FDP	
1week	"Current Trends in Industry"	Department of Electronics and Telecommunication Engineering in association with eMaestro Technologies, Pune	02 to 08 May, 2020		FDP	
5days	FDP on Foundation Program in ICT for Education- FDP101x under IIT Bombayx	remote center SIT Lonavala	13 Sept- 18 Oct 18		FDP	

1day	B.E –VLSI subjects revised Syllabus	PCCOE,Ravet	10 July 2018		FDP	
One week	MACHINE LEARNING	Department of Electronics and Telecommunication Engineering Dr. J. J. Magdum College of Engineering, Jaysingpur, Maharashtra	24th to 29th January, 2022		STTP	AICTE sponsored One Week Online Short Term Training Program Under AICTE Quality Improvement Scheme
One week	Advanced Applications in Artificial Intelligence and Machine Learning	Marathwada Mitra Mandal's Institutions MMCOE and MMIT	2nd To 6th August 2021		STTP	International Short Term Training Programme (STTP) through ICT mode

Conference Details

Name	Venue	Date	Level	Category	Sponsored By

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
Application No.202021047688 A	Patent on the topic Design and Development of AI Based Compact Sanitization Robot System	20 Nov2020	Patent	Indian	Published	Vaishali Baste, Mr.Darshan Surendra Wankhede, Mr.Dnyaneshwar Baliram Tandale
	Fuzzy Based Open Switch Fault	26-27Aug22	ICCUBE-2022	International	Presented	Vaishali Sonawane/Baste,

	Diagnosis of Three Phase Voltage Source Inverter. [2]					Dr.S.B.Patil
ISSN1303-5150	Comparative Study of Open Switch Fault diagnosis in Three Phase Voltage Source Inverter	May 2022	Scopus indexed journal- NeuroQuantology doi:10.14704/nq.2022.20.5.NQ22763	International	Published	Vaishali Sonawane/Baste, Dr.S.B.Patil
ISBN-988-981-16-7985-8	Fault Diagnosis of Voltage Source Inverter Using Machine Learning Techniques	16 May 2022,	Paper Publish as a chapter part of Lecture notes in Electrical Engineering (LNEE 828) of Springer ICCCE2021 proceedings of 4 th International conference on communications and Cyber Physical Engineering, online	International	Published	Vaishali Sonawane/Baste, Dr.S.B.Patil
ISSN: 2320-2882	A Literature Survey On Fault Investigation Methods Of Voltage Source Inverters	30 Jan 2022	IJCRT2201582 -International Journal of Creative Research Thoughts (IJCRT)-UGC care journal www.ijcrt.org	International	Published	Vaishali Sonawane/Baste, Dr.S.B.Patil
ISSN (Online) 2581-9429	Detection of Damaged Gas Pipeline using IOT	Jan 2022	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)	International	Published	Vaishali Baste
ISSN: 2005-4238	Study of Open Circuit Fault Diagnosis in VSI using Discrete	Sept 2020	Scopus Index Journal International Journal of	International	Published	Vaishali Sonawane/Baste, Dr.S.B.Patil

	Wavelet Transform and Machine Learning Approach		Advanced Science and Technology			
	Fault Diagnosis of Voltage Source Inverter Using Machine Learning Techniques	April 09-10,2021	Springer International conference on communication and cyber physical Engineering(IC CCE)	International	Presented	Vaishali Sonawane/Baste, Dr.S.B.Patil
ISSN:2707-6571,E-ISSN:2707-658X	Survey on development of convenient health monitoring system for pregnant women in rural area	1Jan2021	International journal of computing and Artificial Intelligence- http://doi.org/10.33545/27076571-Publisher-ComprehensivePublications	International	Published	Vaishali Baste
ISBN- 978-81-992245-3-6	Intelligent Sanitization Robot	30May2021	IEEE TECHNICON CKDOWN-2021	National Conference	Participated	Vaishali Baste, Mr.Darshan Surendra Wankhede, Mr.Dnyaneshwar Baliram Tandale
ISSN (Online) 2278-1021 ISSN (Print) 2319-5940	Artificial Intelligence Based Compact Sanitization Robot	May2021	International journal of advanced research in Computer and communication engineering(IJARCCCE)	International	Published	Baste, Mr.Darshan Surendra Wankhede, Mr.Dnyaneshwar Baliram Tandale
	Survey on Energy performance enumeration in WSN using Artificial Intelligence	30-31 st january2020	International conference (ICRIT-20) BSCOE&R,Narhe	International	Presented	Vaishali Baste
	Smart E Vehicle	15 th &16 May2020	International Conference on "Advanced Trends in Computer	International	Presented	Vaishali Baste

			Science and Information Technology (ICATCSIT-2020)" JSPM's Rajarshi Shahu College of Engineering, Pune			
, ISSN online-23210613	Automatic Tea maker using controller	may 2020	international journal for scientific research and development(IJ SRD)	international	Published	Vaishali Baste
ISSN NO: 2347-3150	Smart System to Measure Quality and Quantity of Fuel in Vehicle	JUNE/2020	International conferenc SITS,Narhe,PU NE-31st May2020 as well published in Mukd Shabd Journal	international	Presented	Vaishali Baste
ISSN (online)-2349-784x	Implementation of RS-CC Encoder & Decoder using MATLAB	Jan2019	IJSTE	International	Published	Vaishali Baste
ISSN 2348-117X,	Efficient Utilization of Channel Coding for Wireless Communication	Sep-17	International Journal of Electronics, Electrical and Computational System IJEECS	International	Published	Vaishali Baste
ISSN No. 2278-2540	Study Of Environmental parameters BY implementING AN IOT NODE using ARM CORTEX M3	Sep-17	International Journal of Creative Research Thoughts (IJCRT)	International	Published	Vaishali Baste
ISSN: 2321-2705	A Wireless Protected nonstop Data Transmission among Authenticated Portable Storage Devices through GSM Network	Apr 2015	JRSI	International	Published	Vaishali Baste
ISSN:2249-7455	VLSI based reed-solomon encoder & decoder	8 Feb2014	International Journal of Advances in management,	International	Published	Vaishali Baste

			technology & Engineering sciences, Kopargaon			
ISSN No-2277-8179.	Energy optimization and power scheduling in low power sensor network	Aug2012	International Journal of Scientific research, Ahemdabad	International	Published	Vaishali Baste
ISSN:0973:9041.7	Bulding xenobuntu linux distribution for teaching & prototyping realtime operating system	Jan-june2012	journal of Advances in Engg science ,	National	Published	Vaishali Baste
	Harmonic Reduction system using Active filter	21-23Jan10	International conference at cummins college,Pune	International	Presented	Vaishali Baste
	Harmonic Reduction system using Active filter	15-16Jan10	National Conference at Ashta, Sangli	National	Presented	Vaishali Baste
	Smart Memories	21-23 Dec 09).	National conference "NCETEV2009" at MAE,Alandi,pune	National	Presented	Vaishali Baste
	A Configurable hardware scheduler for Real-time system	29th Jan 09	TECHNOEVOLUTION- 2K9 at AVCOE, Sangamner (National	Presented	Vaishali Baste
ISSN 0976-3244.	Active Filter For Harmonic Reduction	Sept-Nov2010	CIT Journal of research, Rajnandgaon, Chhattisgarh	National	Published	Vaishali Baste

Membership Details

Membership Body		Details	Duration	Level
IETE		M 215248	Lifetime	Professional
IEEE		95094939	yearly	student

Declaration

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

Date:

Name: Vaishali Sandeep Baste