



Department of Electronics & Telecommunication Engineering

Faculty Profile

Dr Vidya Vijay Deshmukh

Dr Vidya Pritam Nigade

PhD (Electronics Engineering)

Assistant Professor

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🔗 <https://scholar.google.co.in/citations?user=OwCbPqwAAAAJ&hl=en>



Research Areas / Areas of Interest

Signal Processing, Antenna theory, Computer networking, Digital Circuits, Electromagnetics

Personal Details

Date of Birth : 16/11/ 1982

Domicile: Maharashtra

Gender : Female

Blood Group: O+ve

Contact Details: Shriram Complex, Flat no: 6, 323, Nana Peth, Near Aruna Chowk,
Laxmi road, Pune, 411002

Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph.D.	Electronics Engineering	SPPU	-----	17 th March 2023
2	M.E.	Electronics Engineering	Shivaji University, Kolhapur	I st	January 2010
3	B.E.	Electronics Engineering	Shivaji University, Kolhapur	I st	June 2004

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	18	06
2	Research	00	00
3	Industry	00	00
4.	Others	--	--
Total		14	01

Subjects / Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	Computer Networks & Security	UG	BE (Electronics)	7
2	Discrete Time Signal Processing	UG	TE (Electronics)	7
3	Digital Signal Processing	UG	TE (E&TC)	2

4	Electromagnetics Engineering	UG	TE (Electronics)	7
5	Electrical Circuits & Machines	UG	SE (E&TC)	1
6	Information Theory Coding Techniques & Communication Networks	UG	TE (E&TC)	1
7	Electronic System Design	UG	TE (Electronics)	3
8	Digital Design & Computer Organization	UG	TE (Electronics)	3
9	Mini Project	UG	TE (Electronics)	3
10	Electromagnetics & Antenna Theory	PG	ME (I)	3
11	Microstrip Antennas	PG	ME(II)	5
12	Digital Circuits	UG	SE (E&TC)	2
13	Signals & Systems	UG	SE (E&TC)	2

Research Publications

	National	International	State	SCI/Scopus Indexed	UGC Approved
Journals	-	17	-	02	3
Conferences	--	02	--	02	--

Publication Details (Journals)

S. No	Document Details	Authors	Year	Source Details	ISBN/ISSN	Publisher
1.	'Design of Wearable antenna for	Sonia Survase, Vidya	March 2013	Vol : 2, Issue : 2	ISSN :231 9-5967	International Journal of Engineering

	telemedicine application'	Deshmukh				Science and Innovative Technology (IJESIT)
2	'Simulation and Design of Wearable Antenna for Telemedicine Application',	Sonia Survase , Vidya Deshmukh	May 2013	Vol :2, Issue :05,	ISSN (Online) : 2278-8875, ISSN (Print) : 2320-3765,	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering,
3	'Call Admission Control For 3G Wireless Cellular Network',	Shruti Deshmukh, Vidya Deshmukh	April 2013	Vol :2, Issue :10,	ISSN : 2277-3754,	International Journal of Engineering and Innovative Technology (IJEIT),
4	'Call Admission Control in Cellular Network',	Shruti Deshmukh, Vidya Deshmukh	February 2013	Vol :2, Issue :2,	ISSN : 2320-3765,	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE),
5	Dielectric Properties	Amruta Kulkarni1,	April 2015	Paper ID: SUB153688	ISSN (Online):	International Journal of

	Measurement Using Ring Resonator	Vidya Deshmukh2		,Volume 4 Issue 4, Index Copernicus Value (2013): 6.14 Impact Factor (2013): 4.438	2319-7064	Science and Research (IJSR), Licensed Under Creative Commons Attribution CC BY
6	IOT based Point to Multipoint Reporting System using Android for NOC Application	Priyanka Tupe, Ms V V Deshmukh	July 2016	Volume 2 Issue 4 Page 1778- 1781	ISSN 2395-1621	International Engineering Research Journal (IERJ),
7	Feasibility Study of Non Invasive Blood Glucose Monitoring using Wideband Antenna	Pradnya Shinde ,Vidya Deshmukh	May 2016	Volume5, Issue 5,	ISSN: 2278 – 909X	International Journal of Advanced Research in Electronics and Communicatio n Engineering (IJARECE)
8	Non Invasive Microwave Sensor For Near Field Biological Applications	Avikant B Gadawe1, Vidya Deshmukh2	May 2015	Vol. 3, Issue 5,	ISSN(Online): 2320- 9801 ISSN (Print): 2320-9798	International Journal of Innovative Research in Computer and Communicatio

						n Engineering
9	Non Invasive Blood Glucose Monitoring using Wideband and Narrowband Antenna	Pradnya Shinde ,Vidya Deshmukh	July 2016	Vol. 5, Issue 7,	ISSN (Print) : 2320 – 3765 ISSN (Online): 2278 – 8875	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering
10	IoT based Point to Multipoint Reporting System using Android for NOC Application	Priyanka Tupe, Ms V V Deshmukh	March 2016	Volume 2 Issue 2 Page 690-692, 2016	ISSN 2395-1621	International Engineering Research Journal (IERJ),
11	A Novel Smiley Fractal Antenna Design With Notch Filter for UWB Wireless Application	Nikita G. Janjal, Prof. V.V. Deshmukh	2016	Volume 2 Issue 2 Page 740-743,	ISSN 2395-1621	International Engineering Research Journal (IERJ)
12	Design and Analysis of Passive Multi-static Radar System	Mr. Kale S. H, Mrs. Deshmukh V.V	2019	Volume: 06 Issue: 08 Aug 2019 www.irjet.net Page no: 336-338	e-ISSN: 2395-0056 p-ISSN: 2395-0072	International Research Journal of Engineering and Technology (IRJET)
13	Accident Detection and Monitoring	Ms V V Deshmukh, Mr Mahesh Ghate	2020	A Journal of F Sciences, Eng and Technolo (2020); DOI: 10.18090/san 12iS2.2	Print ISSN: 2229-7111 Online ISSN:	SAMRIDDIHI

	using Black Box				2454–5767 (UGC Care I)	
14	Noninvasive Determination of Blood Glucose Level using Narrowband Microwave Sensor	Ms Vidya Deshmukh, Dr Suvarna Chorage	2021	Journal of Ambient Intelligence & Humanized Computing, Page 1-16	Electronic ISSN 1868-5145 (SCI indexed)	AIHC Journal of Ambient Intelligence & Humanized Computing
15	Investigational Outcomes of Normal and Diabetic Human Volunteers using Microwave based Non-invasive Blood Glucometer”	Ms Vidya Deshmukh, Dr Suvarna Chora	2022	Vol:12 Issue:6	ISSN 2250-2459	International Journal of Emerging Technology and Advanced Engineering (Scopus indexed)
16	Smart Chef: Automated Cooking System with Robotic Arm	Vidya Deshmukh, Kiran Zure, Akshay Jadhav, Pravin Kunte, Nisha Nelge	2023	Vol 46 Special Issue	ISSN: 0971-3034	The Indian Journal of Technical Education
17	Breaking	Vidya	2023	Vol 46	ISSN: 0971-3034	The Indian

Language Barriers: Transformer Based Sentence Translation	Deshmukh, Ayush Shetty, Gaurav Singh, Rajesh Parale		Special Issue		Journal of Technical Education

Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organised by
1	' Measurement Of Dielectric Properties Of Aqueous Glucose Using Planar Ring Resonator' India,	Ms V V Deshmukh & Dr R B Ghongade	2016	IEEE International Conference On Microelectronics, Computing And Communication (Microcom 2016)	ISSN: 978-1-4673-6621-2/16/, 2016	National Institute Of Technology Durgapur,
2	'Microstrip Antennas used for Non invasive Determination of Blood Glucose Level	Ms V V Deshmukh & Dr S S Chorage	2020	IEEE International Conference on Intelligent Computing & Control System (ICICCS 2020)	ISBN: 978-1-7281-4876-2	Vaigai College of Engineering, Madurai, India

PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	-	10	25+

Professional Memberships

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)	Membership No.
IEI	National	Life	M-163473-3
IETE	National	Life	M-502330

Patents / IPR Filed / Granted

S. No	Investigator Details	Title	Year	Status (Filed/Granted)	Details
1	Ms Vidya V Deshmukh , Dr S S Chorage	Microstrip Antenna Used for Noninvasive Deetermination of Blood Glucose Level	2019	Filed	Application No: 201921014247

Books Published

S. No	Title	Name of the Publisher	ISBN/ISSN Number
	NIL		

Research Grants Received

S. No	Program	Duration	Funding Agency	Grant Amount
1.	Research funding for project "Investigation of Microwave Sensor For Non Invasive Determination of Blood	2014-16	BCUD, SPPU, Pune	INR: 2 Lacs

	Glucose Concentration”			
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Details of Workshop / STTP / FDP / Seminar / Conferences Organized

S. No	Title	Type	Duration	Level (State/National/ International)	Sponsoring Agency
01	NIL				

Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level(National/Int/ State/Regional)	Date
1	MES Wadia COE, Pune	National Conference	National	May 2023
2	Reviewed Papers of ICCUBEA, 7 th IEEE scopus indexed international conference	International Conference	National	2023
3	Reviewed Papers of ICOGE , scopus indexed international conference	International Conference	International	May 2023
4	Reviewed Papers of NCIET 2023 , national conference	National Conference	International	May 2023

Details of Workshop / STTP / FDP / Conferences Attended

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
1	SE(E&Tc/Elex) Revised Syllabus 2012 Course	1 week FDP	17 th to 22 nd June 2013	organized by - PICT Pune	BOS Electronics, University of Pune
2	“Design, Testing, Performance Evaluation &	1 week	21 st to 26 th November	VIIT Pune-48	SPPU,IEEE ComSoc

	Applications of Microwave Antennae 2016”	Natio nal level FDP	2016		Pune Chapter & IETE Pune Centre
3	“Vision Mission PEO- - PSO PO CO :Framing, Mapping, Assessment and attainment”	one week –FDP	10-15- June,2019	CETL AISSMS COE	, ISTE approved
4	“Data Science”	1 week FDP	17 June –to 22 nd June 2019	AISSMS COE	MHRD approved and Shivaji- University
5	Advanced Teaching Tools, Techniques and Methodologies For Outcome-Based Education	One week Onlin e FDP	1 st June to 5 th June 2020.	AISSMS College of Engineering during	ISTE
6	“ Effective Techniques of Teaching and Ecommerce”	One week onlin e FDP	1 st June to 5 th June 2020	Saraswati Institute of Technology, Navi Mumbai	-----
7	Internet of Things organized	One week onlin e STTP	8 th June to 12 th June 2020	RAIT, Mumbai	B&R Automation Pvt Ltd
8	Recent Trends in Data Science and Information Security	One week onlin e STTP	22 nd June to 26 th June 2020	RAIT, Mumbai	Findability Sciences
9	A practical Approach Towards Engineering for Technical Persons- Technovators 2020	One week onlin e STTP	7 th July to 13 th July 2020	PCCOE, Nigadi	IET,IETE
10	Latex training	One week onlin e FDP	28 th April -4 May 2020	AISSMS COE Department of Production Engineering	IIT, Mumbai
11	”Recent Communication Tools & its Applications.”	One week onlin e FDP	19 th May to 23 rd May 2020	St. Martin’s Engineering College Dhulapally, Secunderabad	IETE & ISTE

12	Promoting quality culture in Technical institutions	One week online FDP	25 th to 29 th May 2020	AISSMS College of Engineering	ISTE
13	Advanced Teaching Tools, Techniques and Methodologies For Outcome-Based Education	One week Online FDP	1 st June to 5 th June 2020.	AISSMS College of Engineering	ISTE
14	Effective Techniques of Teaching and Ecommerce	One week online FDP	1 st June to 5 th June 2020.	Saraswati Institute of Technology, Navi Mumbai	--
15	Internet of Things	One week online STTP	8 th June to 12 th June 2020.	RAIT, Mumbai	--
16	Recent Trends in Data Science and Information Security	One week online STTP	22 nd June to 26 th June 2020	by RAIT, Mumbai	--
17	A practical Approach Towards Engineering for Technical Persons- Technovators 2020	One week online STTP	7 th July to 13 th July 2020	PCCOE, Nigadi	ISTE
18	Control Systems & Sensors Technology	ATAL FDP	2/11/2020 to 6/11/2020	Gayatri Vidya Parishad College Degree and PG courses (A).	AICTE
19	Computational intelligence for Cyber Security”	One week online FDP	26/10/2020 to 2/11/2020	AISSMS IOIT Department of E&TC Engineering	ISTE
20	Faculty Orientation Workshop on TE E&TC revised syllabus 2019 for the subject Computer Network	Orientation Workshop	26/07/2021 to 28/07/2021.	Board of Studies E&TC, Savitribai Phule Pune University, Pune organized by Dept. of E&TC, AISSMS	SPPU

				Institute of Information Technology, Pune	
21	One Week FDP on Augmented Reality & Virtual Reality	One week FDP	21/6/2021 to 25/6/2021	Department of Electronics and Telecommunication Engineering in association with Buds Engineering Academy Pune,	IEEE Students Branch, Institution of Engineers(India), Kolkata and ISTE, New Delhi
22	AICTE & ISTE approved one week Refresher Program on “3D Interaction using AR VR”	Refresher Program	23/12/2021-29/12/2021	PCCOE Nigadi	ISTE
23	ATAL FDP on "Cyber Security & Digital Forensics"	ATAL FDP	06/12/2021 to 10/12/2021	Indian Institute of Information Technology Pune.	AICTE
24	STTP on “Innovative and Inventive Problem Solving”	STTP	29/6/2021 to 4/7/2021	Production Department, AISSMSCOE	---
25	AICTE-ISTE sponsored Induction/Refresher program on “Electronic in AI & ML”.	Refresher Program	06/01/2022 to 12/01/2022	Shah & Anchor Kutchhi Engineering College, Mumbai	AICTE-ISTE
26	AICTE-ISTE sponsored Induction/Refresher program on “Low Power VLSI System Design”	Refresher Program	10/01/2022 to 15/01/2022	Walchand Institute of Technology, Solapur	AICTE-ISTE
27	One Week Faculty Development Program on “Modern Trends in Energy Systems”.	FDP	07/02/2022 to 11/02/2022	AISSMS COE, Electrical Engineering Department	ISTE
28	STTP/Refresher Program on "Project-Based Learning (PBL)"	Refresher Program	21/02/2022 to 26/02/2022	AISSMS COE, E&Tc Engineering Department	ISTE
29	ISTE approved Online/SF-STTP/FDP Programme on “Cloud Computing Using-Amazon Web Services & Google Cloud	FDP	19.09.2022 to 23.09.2022	KJ College of Engineering and Management Research, Pune, Maharashtra.	ISTE

	Platform”				
30	ISTE approved Online/SF-STTP/FDP Programme on “Data Analysis & Machine Learning for Engineering Research using Python & MATLAB”	FDP	08.08.2022 to 12.08.2022	KJ College of Engineering and Management Research, Pune, Maharashtra	ISTE
31	Faculty Development Program On "Amazon Web Services"	FDP	22nd August 2022 to 27th August 2022	AISSMS Institute of Information Technology, Pune	ISTE
32	one-week online FDP on “Machine Learning	FDP	7th to 11th Dec. 2022	Dept. of IT, SIT, Lonavala	ISTE
33	Advanced Network Simulation & Analysis using NS2 & NS3.	FDP	4/4/2023 to 8/4/2023	VIIT & IEEE Com Soc Pune Section	IEEE Pune Region
34	Recent Trends in Machine Learning	FDP	13/3/2023 to 17/3/2023	AISSMS COE& IETE(ISF)	IETE (ISF)

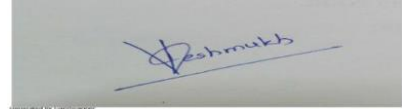
Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
1	EPABX system Incharge
2	Insem Exam Coordinator (2 times)
3	Culture Program Committee member (7+ times)
4	Time table Incharge
5	Guardian Faculty Membership of class
6	Department Advisory Board Meet coordinator
7	Parent Meet coordinator
8	Mentoring & Counseling Incharge (Institute Level)
9	Faculty Development Program : Member (Institute Level)

Awards Received

S. No.	Awards
	NIL

Declaration: I hereby declare that all the statement made above are correct to the best of my knowledge and belief.



Ms Vidya Vijay Deshmukh