BIO-DATA

1.	Name	Dr. Trupti Lotlikar
2.	Designation	Assistant Professor
3.	Residential Address	Fr.Agnel Technical complex, staff quartersA, 602, Sector 9A, vashi
4.	Date of birth	29/11/1978
5.	Total Experience	21.5 years
i.	Teaching	20 years
ii.	Industrial	1.5 years
6.	Qualifications	

Exam Passed	Year	Institution/ University	Branch/Specialization	Percentage/CGPI
Ph.D	2021	Mumbai University	Information Technology	PhD with honors
M.E.	2010	PCCE ,Goa University	Information Technology	7.89
B.E	2004	Goa college of engineering	Computer Engineering	76%
Diploma	1999	Fr.Agnel Engineering college,Goa	Computer Engineering	71.24%

Additional Qualification:
- ➤ **Additional Qualification:** Diploma in Computer technology from Hardcore- A sister concern of Aptech, Goa with 74.6%
- ➤ Diploma in networking –from ASSET international,Goa.

coursework 6months at IIT, Powai on Advanced computer Networks

7.	Employment Record

Institution	Year (From To)	Designation
Padre Conceicao College of Engineering , Verna, Goa	August 2004-July 2007	Lecturer/Assistant professor
Fr. Conceicao Rodrigues of Engineering, Vashi, Navimumbai	July 2007- Till Date	Assistant Professor

		> **Additional Qualification:** Diploma in Computer technology from Hardcore- A sister concern of Aptech, Goa with 74.6% > Diploma in networking –from ASSET international,Goa > **coursework 6months at IIT, Powai on Advanced computer Networks**	

8.	**Undergraduate / Postgraduate Teaching Experience and Subjects Taught**		

Subjects Taught at UG level

Sr.No.	Name of Subject	Semester
1.	Computer Simulation and modelling	VIII
2.	Wireless Technology	VII
3.	Wireless Networks	VII
4.	Ecommerce	VIII
5.	Mobile Computing	VIII
6.	Oodp	VI
7.	Advanced Computer Networks	VI
8.	Enterprise Network Design	VII
9.	Internet of Everthing	VII
10.	Blockchain	VIII

9.	**Research Experience**
10.	**Research Grants:**

Sr.No.	Name of Funding Organization	Type of Grant	Amount (Rs.)	Year	Name of Research Project
1.	Mumbai University	Minor Research Grant	30,000	17-18	IoT Enabled DoS attack mitigation strategy in SDN

11.	**Professional Societies Fellowship / Membership :life long membership of IETE, CSI membership**
12.	**Achievements / Awards / Position:Recognition award to publish book on Enter prise network design by Star publication and online publication with Sbgyen**
13.	**Projects guided in UG/PG level :35 projects**

14.	**Short Term Training Programmes attended:** **STTPS/ WORKSHOPS/FDPS attended**

> Participated in AICTE Sponsered National conference "Control, Communication and Information Systems" CCIS-2004 organised by Goa Government Engineering College during January 23- 24th ,2004.

> Participated in the 4th National Seminar on "**Responsible Citizenship for National Regeneration**" held during the period 18th December 2005 to 21st December 2005 organised by Agnel Seva Ashram & Dharma Bharathi Foundation.

> Undergone ISTE & ISAP short term course "**Workshop on HTML & JAVA Programming**" in from 3rd June to 8th July 2006 at Goa college of Engineering, Farmagudi, Goa

> Organized AICTE sponsored short term training programme on "**Component Technology**" during 17th December to 22nd December ,2007 at Fr.C. Rodrigues institute of technology, Vashi, Navi Mumbai.

- Attended **"Project Guide Meet"** organized by Tantra Shikshan Vidyarthi Parishad at K.J.Somaiya Polytechnic,Vidyavihar,Mumbai on 17th September,2011.
- Attended Six days Faculty development programme on" **NS2 Network Simulator**",during 14-19th October 2011, at Sinhgad College of Engineering, Vadgaon, Pune.
- Attended a 5 day STTP on "**project Management**" in Technical board of highereducation,Goa in May 2012
- Attended a Faculty development programme on **"Ethical Hacking"** by Mr. Ankit Fadiaorganized by Jetking at Dadar on 13th janauary 2013.
- Attended an 2 day Faculty Development Programme on:"**Advanced Java**" by TCS11th-12th October 2013
- Organised a 5 day STTP on "Open Source Technologies" from 30th JUNE-4TH July2014 At Fr.CRIT,Vashi .
- Attended a 2 day Faculty Development Programme on" **Big Data**" by TCS December2014
- Attended 2 day FDP organized by TCS on **" Cloud Computing"** from 6th-7th july 2015
- Attended one day workshop on Internet of Things at VJTI in august 2016
- Attended 5 day STTP ON "Internet of Things" at Vjti September 2016
- Attended 5 day STTP On:" IoS development " december 2017 AT vjti,Mumbai
- Attended one day workshop on "Patenting" at TERNA ENGINEERING COLLEGE,Nerul, August 2018
- One Week AICTE-AQIS SPONSORED Short Term Training Programme (STTP) on 'Moral Values, Ethics and

Behaviourial Science ' conducted during 14 to 19 June 2021 organised by Thakur college of engineering and Technol ogy, kandivli

Intelligence and Data Science with Current Trends"

organized by the Department of Information Technology at

Fr. C. Rodrigues Institute of Technology, Vashi. 3rd Jan –
7th Jan, 2022

- Sucessfully completed one week Online FDP on "D eep Learning Networks and its Applications" held during 19/06/2023 to

23/06/2023 organized by Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, Maharashtra

- Organised One-week Online Faculty Development Programme on artificial intelligence and data science with current trends between 3rd _7th jan 2021

- Current Trends" Organised STTP Programme on Integrating GenAI app at fcrit college between 8th _13th march 2024

15.	List of Journal Papers Published					
	SR NO	NAME OF FACULTY	NO OF PUBLICATION			
			National Conference	International Conference	Journal	Total
	1.	Mrs. Trupti Lotlikar	03	21	10	31

		DETAILS OF PAPERS PUBLISHED	Date	Index
	1.	Implementation of RemRover: a remotely controlled rover built using IoT and web sockets" IEEE 2nd International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIOT –2024), Bangaluru, India	8th_9th january 2024	Scopus Index InXPLORE COMPLIANT ISBN: 979-8-3503-2753-3 DVD ISBN: 979-8-

No.	Title / Conference	Date	Index / Publication Details
			3503-275
2.	Cryptcast:E-Voting sysystem Utilizing Blockchain" 6th IEEE International Conference on Advances In Science & Technology (ICAST-2023) in association with the University of Mumbai, K J Somaiya Institute of Technology Sion, Mumbai..	Dec 08-09 2023	Scopus index
3	The Spiffy- A Discord Chatbot, "IEEE co-sponsored 5th Biennial International Conference on Nascent Technologies in Engineering (ICNTE 2023)at Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, India	January 20-21, 2023	Scopus index
4.	Digitization and securing life insurance using blockchain" One-Day National Multi-Disciplinary Conference on "Healthy Learning Environment and its Impact on Student Satisfaction and Institutional Standing". On 27th April 2023 At Ramanand Arya D.A. V College, Bhandup, Mumbai, India	27th April 2023	Scopus index
5.	CoinMarketCap Web 3.0 Blockchain Cryptocurrency Trading Web Application" National Conference on Healthy learning environment and its impact on student satisfaction and institutional standing" organised by Ramanand Arya D.A.V college.Mumbai.	27th April 2023	Peer Reviewed Journal ,Management Guru:Journal of Management Research, ISSN 2319-2429, april 2023 issue , vol:XI. Issue:03. Part-2, page 14. ex
6.	"ML-Wasm Entropy and Plot: Dataframes and Plotting powered by WebAssembly and Rust", Springer conference on computer networks, big data and iot :Iccbi 2021,online , CARE engineering college, Trichy	9th, 10th december 2021	Book Chapter : In: Pandian, A.P., Fernando, X., Haoxiang, W. (eds) Computer Networks, Big Data and IoT. Lecture Notes on Data Engineering and Communications Technologies, vol 117. Springer, Singapore. 22 May 2022, pp 295–305. https://doi.org/10.1007/978-981-19-0898-9_23 Online ISBN 978-981-19-0898-9 Print ISBN 978-981-19-0897-2
7.	Linear Algebra in the Browser powered by WebAssembly", IEEE International Conference - ICONAT – 2022, Rajarambapu Institute of Technology Rajaramnagar, Uran Islampur, Maharashtra.	21st january 2022	Scopus index IEEE ISBN:978-1-6654-2577-3
8.	On-device ML: An efficient approach to classify large number of images using multi-threading in Android Devices", Springer International Conference on artificial intelligence: advances and aplications (ICAIAA 2021), Poornima College Of Engineering , Jaipur And Rajasthan Technical University, Kota	MARCH 27TH-28TH 2021	Springer Book chapter
9.	Blockchain-Based Electronic Health Record Management ",International Conference on Advances in Science and technology (ICAST 2021), K J Somaiya institute of engineering and technology, Online, Sion, Mumbai.	7th, 8th may 2021	Ugc International Journal on Emerging Technologies. Volume 11(2)2020 : 627-632(2020)
10.	A model of Autonomous car"Third IEEE International Conference on Electrical, Computer and Communication Technologies (IEEE ICECCT 2019) Orgnaised by SVS College of Engineering, Coimbatore	20th - 22nd February 2019	Scopus index

11.	A defense mechanism for DoS Attack in SDN" 3rd Biennial International Conference on Nascent Technologies in Engineering (ICNTE) Organised by Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai	January 2019	Scopus index
12	IDS Enabled Framework for Prevention of Dos Attacks in SDN(Software Defined Network) atInternational conferencerence on advanced scientific in novation in science, engineeringand technology(ICASISET)at Chennai.	11TH,12TH,13th April 2018	Scopus index Journal of Information and communication technology
13	"Do –shield Through SDN for IoT enabled Attacks" IEEE conference on electronics , communication and aerospace technology(ICECA 2018) at Coimbatore,Tamilnadu.	29th, $30th$, $31st$ March 2018	Scopus index IEEE explore-978-1-5386-0965-1
14	"An software Approach for mitigationof DoS Attacks on SDN's" at Springer conference at Sri Sivani College of Engineering, Srikakulam Andhra- pradesh	10th-11th march 2018	Scopus indexed (springer journal)

		15	"Software Defined Networks: A survey with Simulation" at IC-CSOD 2018 , at multicon-w 2018",TCET, Kandivli, Mumbai	23rd -24th February 2018	Tata mc graw hill publication -Imanager	
		16.	"A survey on potential SecurityAttacks in SDN" at 3rd International conference Equinox-2017, Terna Engineering college ,Navi Mumbai .	21st and 22nd September 2017		
		17.	"A framework for secure SDN At ICATE 2017"(International conference on Advanced Trends in EngineeringISTE Approved at Datta Meghe College of Engineering			
		18.	"A survey of potential security threats and countermeasures in SDN- An IoT Enabling Technology " at multicon-w 2017" IOSR Journal of Computer Engineering (IOSR-JCE) e-ISSN: 2278-0661,p-ISSN: 2278-8727 PP 67-74	24th-25th February 2017	UGC approved IOSR Journal	
		19	"Sticker Control for Internet of Thingsand Home Automation "International conference on emerging trends in engineering, science and technology-ICEST -16" published by IFERP	12-13 March 2016	--------------	----------
		20	"Human Gesture Recognition for Mouse Control" " ICCIA 2015" Sandip Institute of Technology and Research Centre,Nasik	25 to 27 Feb 2015	--------------	----------
		21.	"Waste Management : Re-Bin" 2nd National Conference on Innovations in IT and Management NCI2TM (2015) organized by S.T.E.S's, Sinhgad Institute of Management and Computer Application (SIMCA), Pune	27th & 28th Feb 2015	--------------	----------
		22	"Waste Management : Re-Bin" International Journal of Information Systems (IJIS) organized by S.T.E.S's, Sinhgad Institute of Management and Computer Application (SIMCA),Pune (ISSN : 2229-5429) Vol –V ,Issue –II	27th & 28th Feb 2015	--------------	----------
		23	"Swarm Optimization with Slave Distribution" International Journal of Engineering research & Technology (IJERT) Volume 3- Issue 9 (ISSN:2278-0181)	September 2014	Google Scholar, Thomson Reuters,	1
		24	"Enhanced Learning through Augmented Reality " NIRMAN-2014 2ND National Conference on Advances in technology & System NCATM-2014 at A.C.Patil college of engineering & management	14th & 15th Feb 2014	--------------	----------
		25	"A survey on Intrabody Communication for Human Area Network Application" International conference proceedings (ICEFT-2014) at saboo siddik college of engineering, Byculla	27th-28th March 2014	--------------	----------

		26	"Comparative study of Barcode, QR-code and RFID System" International journal of Computer Technology and Applications. (IJCTA) ISSN:2229-6093 -Volume 4 Issue 5	September-October 2013	Google scholar, Semantic.scholar
		27	"Machine Readable Travel Documents using Visible Light" International Journal of Engineering Inventions(IJEI) e-ISSN: 2278-7461, p-ISSN:2319-6491, volume 2, Issue 5	March 2013	Google scholar ,semantic scholar
		28	"Augmented Reality –An Emerging Technology" International Journal of Engineering Sciences & Research Technology (IJESRT) ISSN: 2277-9655,volume 2, Issue 3	March 2013	Open access, google scholar,Ulrich webs
		29	"Comparision of Approaches to Intra-Body Communication" Indian Journal of Computer Science and Engineering, Vol.3,No.5,ISSN:2231-3850	Oct-2012	Google Scholar, Thomson Reuters, Scribd ,research gate
		30.	"Parking Space Searching and reserving with Mobile using Bluetooth Technology" National Conference on Nascent Technologies in the Field of Computer Engg. & Information Tech. NCNTE-2012" held at Fr.C.R.I.T ,Vashi	24-25 Feb-2012	--------------
		31.	"Implementation Results of Search Photo and Topographic Information Retrieval at a Location "International Journal of Advances in Engineering and Technology(IJAET), ISSN : 2231-1963, Vol.1, Issue-5	Nov-2011	citeseer
16.	Books/Reports/General articles etc.: Chapter published in Springer book on Soft Computing				
17.	International Conference Technical Program Committee Member / Reviewer: ICNTE 2015 ICNTE 19, ICNTE 21, ICNTE 23, ICIS 23				