BIO-DATA

Recent Photograph

1.	Name	Lakshmi M. Gadhikar
2.	Designation	Associate Professor
3.	Residential Address	402, Blue Kites, Plot No. 5 , Sector 2A, Koparkhairane , Navi Mumbai. 400709.
4.	Date of birth	30/12/1975
5.	Total Experience	23 Years
i.	Teaching	23Years
ii.	Industrial	NIL
6.	Qualifications	

Exam Passed	Year	Institution/ University	Branch/Specialization	Percentage/CGPI
M.E.	2005	PCCE / Goa University	Information Technology	7.92
B.E.	1997	Government College Of Engineering, Sant Gadge Baba Amravati University , Amravati .	Computer Science and Engineering	68.66 %

	Additional Qualification:

7. Employment Record

Institution	Year (From To)	Designation
Fr. C.R.I.T. Vashi , Navi Mumbai	September 2010 till date	Associate Professor
Fr. C.R.I.T. Vashi , Navi Mumbai	January 2006 to August 2010	Assistant Professor
Fr. C.R.I.T. Vashi , Navi Mumbai	19/07/1999 to December 2005	Lecturer
Datta Meghe College of Engineering, Airoli, Navi Mumbai.	1.5 Months	Lecturer
Govrnment College of Engineering ,Amravati.	1 Year	Visiting Lecturer
Govrnment Polytechnic , Amravati.	4 Months	Visiting Lecturer

8. Undergraduate / Postgraduate Teaching Experience and Subjects Taught

Subjects Taught at UG level

Sr.No.	Name of Subject	Semester
1.	Advanced Data Structures and AOA	V
2.	Computer Organization and Architecture	IV
3.	Operating Systems	V
4.	Middleware and Enterprise Integration Technologies	VI
5.	Theoretical Computer Science	V
6.	Object oriented Programming Methodology	V
7.	Database management Systems	IV
8.	Computer Networks	VIII

	9.	Computer Programming I	I
	10.	Computer Programming II	II
	11.	Microprocessor Programming Lab	IV

Subjects Taught at PG level

Sr.No.	Name of Subject	Semester

9.	**Research Experience**

10.	**Research Funding / Consultancy Services:**

Sr.No.	Name of the Company	Address	Product	Consulting Service	Consulting Fees	Period

Research Grants:

Sr.No.	Name of Funding Organization	Type of Grant	Amount (Rs.)	Year	Name of Research Project
1.	AICTE Modrob Grant	Modrob Grant	6,17,000/-	2019	AI and Deep Learning Lab
2.	IT Dept. Fr. CRIT	Hardware Grant from Dept. R&D fund.	78,865.00	2019	Shallow Fake- Fake video detection using Deep Learning.
3.	NVIDIA Pvt. Ltd.	Hardware Grant	24,696.00	2014	Analysis of CUDA C Programs
4.	University of Mumbai	Minor Research Grant	35000	2017	Integrated system for analysis and monitoring of air quality in the laboratories.

Technical Collaboration / Lab Funding with Industries

Sr.No.	Name of the Funding Organization	Type of Support	Amount (Rs.)	Year

11.	**Professional Societies Fellowship / Membership : 1.** CSI (Life Member)
	2. ISTE (Life Member)

Achievements / Awards / Position :

1.	Chair- Poster Presentation Committee – ICNTE 2023
2.	Actively contributed in setting the Syllabus of the Sem VII Elective subject – HPC of Information Technology Engineering at Mumbai University Syllabus Rev. in 2019 - CBCGS 'C' Scheme.
3.	Autonomy – Committee member
4.	Chair- Poster Presentation Committee – ICNTE 2021
5.	Reviewer in ICNTE - International conference on Nascent Technologies in Engineering held at Fr. CRIT, Vashi, 15-16 Jan 2021.
6.	Member of IQAC – Internl Quality Assurance cell (Institute level)
7.	Judge for IETE - National Level Technical Paper Presentation Competition TECHXTER 6.0 on " Digital India – A Road Map to India's Future", at SIES Graduate School of Technology, Nerul on 27th Feb 2017.
8.	Reviewer in ICNTE - International conference on Nascent Technologies in Engineering held at Fr. CRIT, Vashi, 27-28 Jan 2017.
9.	Reviewer in ICNTE - International conference on Nascent Technologies in Engineering held at Fr. CRIT, Vashi, 9-10 Jan 2015.
10.	Actively contributed in setting the Syllabus of some of the core subjects of Computer Engg. and Information Technology at Mumbai University (Syllabus Rev. 2012-13).
11.	Member of Governing council since 2011.
12.	Started department magazine in year 2011.
13.	Served as co-ordinator of IT department from 2010 to 2013.

13.	**Projects guided in UG/PG level : Above 25 (UG)**

		Research proposal titled "Automated Surveying for Construction Engineering" in Engineering and Technology category and UG level for the Selection Round of 15th Inter-Collegiate / Institute / Department Avishkar Research Convention: 2020-21 for Mumbai zone.
14.		**Short Term Training Programmes attended :**
	1.	Online Faculty Development Program (FDP) on "Artificial 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
	2.	DST-SERB approved Statistical Techniques for data Analysis organized by NIT Jalandhar, Punjab during 22/11/2021 - 26/11/2021
	3.	AICTE Training And Learning (ATAL) Academy Online FDP on "Artificial Intelligence for Computer Vision" organized by Indian Institute of Technology, Roorkee during 26/07/2021 to 30/07/2021
	4.	ISTE approved Deep Learning & its applications organized by Xavier Inst. of Engineering, Mahim, Mumbai during 05/07/2021 to 10/07/2021
	5.	Advanced Data Structure and Analysis organized by Fr, CRIT, Vashi during 28/06/2021 - 02/07/2021
	6.	International Conference on Examination – IDEA 2021- International Conference on Examination and Assessment -2021organized bt Council of Examiners – India and SkillSlate Foundation , Pune from 8th June to 11th June 2021.
	7.	AICTE Training And Learning (ATAL) Academy Online FDP on "Block chain" from 2020-11- 23 to 2020-11-27 at Bangalore Institute of Technology.
	8.	FDP (Online) on "Emerging Trends in AIML" at ARMIET frpm 17th May to 22nd May 2021.
	9.	TEQIP III Sponsored National Level Programme on 'Reforms in Technical Education: Perspective of National Education Policy' jointly organised by Sardar Patel College of Engineering, Mumbai and REC, Rewa in collaboration with IIIE and SAEINDIA Western Section from 4th March 2021 to 6th March 2021 under Twinning Activity.
	10.	One Day Workshop on SEQUEL App at SPIT, Andheri on 16 Jan 2021.
	11.	Pre-Conference Tutorial during International Conference - ICNTE 2021 on " Hands On Training on Management of Literature Survey and Generating References" at Fr. CRIT, Vashi on 14 Jan 2021.
	12.	FDP (Online) on "R Programming" organised by PVPPCOE, Mumbai in association with Spoken-Tutorial project, IIT Bombay from 27th April 2020 TO April 27 , 2020 to May 2 , 2020
	13.	One day webinar on Star Certified DevOps Expert on 11 May 2020.
	14.	STTP on "Recent Trends in Mobile(Android) Apps Development, at FR. CRIT, Vashi, 24th-28th June 2019.
	15.	FDP on Agile Project Management at Fr. CRIT, Vashi in 2017
	16.	FDP on Microsoft Outlook at Fr. CRIT, Vashi in 2017
	17.	FDP on "Big Data Analytics ", at FR. CRIT, Vashi, 4th Jan 2016.
	18.	FDP on "Cloud Computing", at FR. CRIT, Vashi, 6th July 2015.
	19.	FDP on Big Data Analytics at Fr. CRIT. 15-16 April 2015
	20.	GPA – 2014 – A workshop on GPU Programming and its applications , conducted jointly by NVIDIA and IIT Bombay at IIT Bombay on 24th to 26th February 2014.
	21.	FDP on Basic and Advanced Java at Fr. CRIT. SH 2013
	22.	FDP on "Research problems in Computer Science & Information Technology", at Fr.CRCE, Bandra, 31st Aug. 2013
	23.	Workshop on cloud computing on 20/7/2012 at SIES college of engineering, Nerul , Navi Mumbai.

	24.	Workshop on content management system using "JOOMLA" on june 15-16, 2012 at SPCE Andheri
	25.	Seminar on " Research Avenues and Challenges in Higher Education" by University of Mumbai at Kalina Campus on18th Nov 2011
	26.	Workshop on New Paradigms in Accreditation System" at Pune on 5th Nov 2011.
	27.	"Advances in Internet Technology" at Fr.CRCE , Bandra from 18th July 2011 to 22nd July 2011.
	28.	Workshop on COM and .NET at Vivekanand Inst. Of Tech, Chembur, Mumbai. 22 Feb 2010.
	29.	Orientation program on "Middleware and enterprise Integration technologies at SPIT, Andheri. 27th Jan 2010.
	30.	"Advances in Mobile Systems" at Fr .C.R.I.T from 18th to 22nd Jan'2010.
	31.	FDP on "Middleware and enterprise Integration technologies at Fr. CRCE ,Bandra. 18-19 Sept. 2009.
	32.	Professional course (PE) on "Web programming with PHP" at CX-DAC (NCST), Kharghar, Navi Mumbai.26-30 Sept 2005.
15.	**List of Journal Papers Published (list in IEEE format) :** **International Journals :** 1. Prachi Karwa, Sudeshna M, Varsha Kale, Kanwaljeet S**, Lakshmi Gadhikar** , "Parallelizing Algorithms for Performance Improvement" International Journal of Global Technology Initiatives, IJGTI, Volume 5, Issue 1, ISSN (print) : 2277-6591, ISSN (print) :2320-1207, March 2016. 2. **Lakshmi M.Gadhikar**, Ajinkya Shukla, Rohan Wani, Sonal Mumbaikar, Monica Ahuja , "Implementation of Automatic Font generation" ,International Journal of Engineering Research & Technology – IJERT ISSN : 2278 - 0181 Volume-2 Issue 10, Oct. 2013. 3. **Lakshmi M.Gadhikar**, Ajinkya Shukla, Rohan Wani, Sonal Mumbaikar,Monica Ahuja, "Automatic Font Generation" , IJMR - International Journal of Multidisciplinary Research , Volume 1, issue 12 (VI) , ISSN : 2277-9302, March 2013. 4. **Lakshmi M.Gadhikar** , Anish Pai , Madhura Puri, Gauri Shukla, , Sagar Sandbhor "Augmented Trial" , IJMR - International Journal of Multidisciplinary Research , Volume 1 , issue 12 (VI) , ISSN: 2277-9302, March 2013. 5. **Lakshmi M.Gadhikar**, Deepa Vincent, Lavanya Mohan, Megha Choudhari "Implementation of Browser Based IDE to Code in The Cloud" , IJAET - International Journal of Advances in Engineering & Technology, Volume 5 Issue 1 , November 2012 ISSN : 2231-1963, Nov 2012. 6. **Lakshmi M. Gadhikar**, Lavanya Mohan, Megha Choudhari, Pratik Sawant, Yogesh Bhusara "Browser Based IDE to Code in The Cloud" , IJIC - International Journal of Internet Computing, Volume 1 Issue 4, 2012 ISSN : 2231 – 6965, April 2012.	
16.	**List of Papers Published in National and International Conferences (list in IEEE format)** **International Conferences :** 1. Abhishek Gupta , Ansh Chhadva, Omkar Bhabal, **Lakshmi Gadhikar** , "Codify: Natural Language to Code, for Data Science Applications", In Elsevier SSRN Proceedings of 7th International Conference on Innovation and Research in Technology & Engineering (ICIRT 2022) at VPPCOE & VA, Mumbai, India, 8-9 April 2022.	

2. Abdul Azim Rajmohamed, Nadar Robinson, Juliet Jose, **Lakshmi Gadhikar** , "Completenator: Advance Code Completion ",In Elsevier SSRN Proceedings of 7th International Conference on Innovation and Research in Technology & Engineering (ICIRT 2022) at VPPCOE & VA, Mumbai, India, 8-9 April 2022.

3. Mohd. Jamaluddin Khan , Jim Caleb R. , **Lakshmi Gadhikar** , Sharon Mehershahi ,"Automated Surveying For Construction Engineering" , IEEE & IAS Technically Co-Sponsored 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE 2021) , Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, India
January 15, 16,2021.

4. Shrunjala Mul , Angela Philip , Melissa Correia , Lakshmi Gadhikar "Baggage Tracking Using RFID and Blockchain Technology ", IEEE & IAS Technically Co-Sponsored 4th Biennial International Conference on Nascent Technologies in Engineering (ICNTE 2021) , Fr. C. Rodrigues Institute of Technology, Vashi, Navi Mumbai, India. January 15, 16,2021.

5. **Lakshmi M.Gadhikar** ,Vinny Mathews, Tina Rikame,Tanmay Sharma, "Data Leakage Detection System", International Conference on Advanced Trends in Engineering (ICATE-2019) , at Datta Meghe College of Engineering, Airoli, Navi Mumbai. 4th - 5 th April 2019.

6. **Lakshmi M.Gadhikar**, Rohit Dhuri, Harsh Doshi, Allwyn Dsouza, Sam Jacob, "Image Super Resolution", ", International Conference on Advanced Trends in Engineering (ICATE-2019) , at Datta Meghe College of Engineering, Airoli, Navi Mumbai. 4th - 5 th April 2019.

7. **Lakshmi M.Gadhikar** , Dr. Y.S. Rao, "Analysis of Programs for GPGPU Architectures" **,** IEEE International Conference on Trends in Electronics and Informatics , ICOEI 2018, at SCAD College of Engg. And Technology, Tirunelveli, Tamilnadu, 11th -12th May 2018.

8. **Lakshmi M.Gadhikar** , Renu Kadolkar, Ria Chandran, Dannel Bothello, Riya Ranganath "Parallelization of Steady Air-Flow over Cars with Neural Network", IEEE International Conference on Convergence in Technology, I2CT, Pune, 7th-8 th April 2018.

9. Ananya Satoskar, Vishnu Nambiar, Aishwarya Mohan, Christina Rainy, **Lakshmi M.Gadhikar ,** "Parallelization of Algorithms for Image Stitching Using Distributed Memory Architecture", International Conference of Nascent Technologies in Engineering ICNTE - 2017 at Fr.CRIT, Vashi, Navi Mumbai, 27th-28th Jan 2017.

10. Sidvita Hegde, Tejaswini Kachare, Chinmay Musale, Rutuja Jogdand, **Lakshmi Gadhikar,** "Air Caliber Monitoring system for Laboratories", International Conference on Emerging Trends of Technology organized at Dilkap Research Institute of Engineering and Management Studies, Neral, 17th & 18th March 2016.

11. Prachi Karwa, Sudeshna M, Varsha Kale, Kanwaljeet S**, Lakshmi Gadhikar** , "Parallelizing Algorithms for Performance Improvement", 5th International conference on Global Technology Initiatives , organized by Rizvi college of engineering, Bandra (W), 29th & 30th March 2016.

12. Vijaya K. Iyer , Sanika Naik, Raju Enjapuri , Shekhar Sapkale, **Lakshmi Gadhikar** , "Speed Monitoring System For Vehicles ", International research conference on recent advances in engineering and technology(IRCRAET) held at Pune ,ISBNNO: 978-3-642-24819-4, 23rd March 2014.

13. Kajal Gupta, Khushbu Gupta, Shatrughan Gupta, **Lakshmi Gadhikar** ,

"Mitigation of Fire Based Disaster " International conference proceedings (ICEFT-2014) at Saboo Siddik College of Engineering, Byculla, Mumbai, 27th-28th March 2014.

14. **Lakshmi M.Gadhikar,** Sumesh Chhabria, Namrata Dabholkar, Mahesh Abnave,Shailesh Yedge "Web Spark- Website Builder" , International Conference, IIMT Bhubaneswar at VITS Pune, 14th April 2012.

15. **Lakshmi M.Gadhikar**, Nazneen Shaikh,Ankita Sharma,Priti Malkani "Semantic Based Image Retrieval for Xray Images", International Conference, G. K. Bharad Institute of Engineering, Rajkot, 24th -25th March 2012.

16. **Lakshmi M.Gadhikar** ,Archana S, Deepa P, Gaurav M, Vinay R, "Mobile Ticket Master", ICGC -2011 - International conference on Global Computing at Amrutvahini College of Engg. Sangamner, 3 - 4 March 2011.

17. **Lakshmi M.Gadhikar** , Mubasshir Pawle**,** Waseem Siddiqui, Yogesh Dudhane, "Computer Assisted Vehicle Parking System",ICOST 2011 - International Conference On Sunrise Technologies,SSVP'sDeore College of engg. And Poly.at Dhule, on 13th -15th Jan 2011.

National conference :

1. Mona Jain, Gaurav Dhakate, Mohit Ranadive, Prathamesh Tajane, **Lakhsmi Gadhikar,** "De-Blurring Blurred Images" **,**National Conference on "Tech Stream- a flow of Initiatives & Innovations" organized at Pillai HOC college of Engineering. Technology, Rasayani, Navi Mumbai, 21st & 22nd Feb 2014.

2. **Lakshmi M. Gadhikar,** Urvashi Pable, Rutuja Ramnath, Aparna Redekar, Rinki Teckchandani "Touchless Writer" , RACE 2013 - National Conference on Recent Adavances in Computer Engineering , at MES College of Engineering, Pune on 15-16 March 2013.

17.	**Books/Reports/General articles etc. :**

1. Aadya Singh, Abey Alex George, Pankaj Gupta, **Lakshmi M. Gadhikar**, "ShallowFake- Detection Of Fake Videos Using Deep Learning", Book Chapter in Conference Proceedings of ICDLAIR 2019. Lecture Notes in Networks and Systems Book series, vol 175. Springer, Cham. 09 February 2021.
2. Nandini Sharma, Sneha Pellissery, Safwan Tisekar, **Lakshmi M. Gadhikar**, "Eyephone-Eye Tracking Application for Digital Devices", Book Chapter in E-Book on Applications of Advanced Computing in Systems. Algorithms for Intelligent Systems. Springer, Singapore. April 25, 2021.
3. A chapter on " Browser Based IDE to Code in the Cloud " , published in a Series " Advances in Intelligent Systems and Computing 2013 , New Paradigms in Internet Computing , 59-69 , **Springer**, 2013.

Invited Lectures in FDP/ STTP :

1.	Invited Speaker : Guest Speaker at National Level Webinar on "Cyber Terrorism" in IT Forum meet organized by Bharuch District Management Association (BDMA) , Bharuch, Gujarat on 27 Nov 2021.
2.	Invited Speaker : Expert session on "Greedy Algorithms" at FDP on "Advanced Data Structures and Analysis" on 30/06/2021 organized by IT Dept. Fr. CRIT, Vashi during 28/06/2021 to 02/07/2021.
3.	"Introduction to General Purpose Graphics Processing Units (GPGPUs) and CUDA ", in a STTP on "Parallel Processing and Big Data Analytics" at Sardar

			Patel Institute of Technology, Andheri (W), Mumbai on 29th June and 1st Jult 2016.
	4.	"Context Free Grammar" in a STTP on "Automata Theory & *Lecture Series* Applications" at Fr.CRIT , Vashi, on 20 Nov 2013.	
	5.	Functioning Of Internet , Department of EXTC , Fr. CRIT , Vashi	
19.	**International Conference Technical Program Committee Member / Reviewer :**		
	1.	Reviewer in ICNTE - International conference on Nascent Technologies in Engineering held at Fr. CRIT, Vashi, 9-10 Jan 2015.	
	2.	Reviewer in ICNTE - International conference on Nascent Technologies in Engineering held at Fr. CRIT, Vashi, 27-28 Jan 2017.	
	3.	Reviewer in ICNTE - International conference on Nascent Technologies in Engineering held at Fr. CRIT, Vashi, 04-05 Jan 2019.	
	4.	Reviewer in ICNTE - International conference on Nascent Technologies in Engineering held at Fr. CRIT, Vashi, 15-16 Jan 2021.	
	5.	Chair- Poster Presentation Committee – ICNTE 2021	
	6.	Chair- Poster Presentation Committee – ICNTE 2023	
20.	**Patents**		