

CURRICULUM VITAE

Vikas R Marathe

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OBJECTIVE

Looking for a challenging position and innovative environment, with my abilities and technical skills, I aspire to contribute to the organization and to the technology to my level best for the symbolic growth of the organization and myself.

QUALIFICATION

Degree	Institute Name	University Name	Year of Passing	Percentage	Grade	Qualification Status
Ph.D* (Electronics & Tele. Engg.)	Sinhgad College of Engineering Pune	Pune University	Pursuing in 2021			
Master of Engineering (Electronics)	Sinhgad College of Engineering Pune	Pune University	2011	64.06	First Class	Completed
B.E. (Electronics)	KIT's College of Engineering, Kolhapur	Shivaji	2001	63.33	First Class	Completed

Projects Carried Out (Ph.D., M.Tech, B.E.)

1. **M.E. Project on: "BIOMETRIC IDENTIFICATION USING HUMAN IRIS PATTERNS".**

This project is based on John Dogman Paper and Wavelet. The project is divided into three parts. For edge detection, canny edge detection was used; for feature extraction, Hough transform was used; and for identification, Euclidian distance was used. The results were comparatively better with base paper and time reduced in wavelet The project code is written in MATLAB.

2. B.E Project: “Process Control through internet”.

In this project, applications are designed in Java. And through LAN switching, the process control can be turned on and off. This project was introduced in the field of Internet applications. The project code is written in Java and Visual Basic.

WORK EXPERIENCE (Teaching – 21.7 Academic Year)

- Working as Assistant Professor at N. B. N. Sinhgad College of Engineering Solapur , Since 08 March 2024.
- Chairman of Board of Studies of Biomedical Engineering, Solapur University
- Recognized as P.G. & U.G. Teacher by Solapur University, Solapur for E&TC Branch in the year 2013 at N. B. N. Sinhgad College of Engineering, Solapur
- 10 Students have completed their Post Graduation and 01 are perusing under the guidance of me
- 12 International Papers in Various Journals and Conferences.
- Worked as Training and Placement Officer for the academic year 2014-15,2015-16
- Worked as Sr Lecturer at G.H.Raisoni College of Engg. & Mgmt. 26 June, 2009 to 09 July 2012.
- Worked as Lecturer at Amrutvanini College of Engg. Sangamner 29 July, 2002 to 25 June 2009.

Extra Responsibilities:

- STTP/FDP Coordinator
- Dista Coordinator
- Departmental NAAC Committee Member
- Training & Placement Officer

PUBLICATIONS (Books/ monographs/ international & national journals / international & international conferences/)

Sr. No.	ISSN / ISBN No.	Paper Title	Published Date	Vol. / Issue	Journal / Conference Name	Level (International/ National)
1	2321-2705	Identification and Prevention of Black Hole Attacks on AODV Based MANETs	Nov-19	Volume VI, Issue XI	International Journal of Research and Scientific Innovation	International
2	2455-2585	Implementation on Iridology Based Alzheimer's Disease Detection Using Image Processing	Jul-19	Volume 5, Issue 07	International Journal of Technical Innovation in Modern Engineering & Science	International
3	ISSN: 2321-9637	Improved Reversible Data Hiding Using Sparse Representation Techniques	Nov-18	Volume 6, Issue 11	International Journal of Research in Advent Technology	International
4	ISSN: 2321-9637	Automatic Detection of Red Lesion in color fundus images	Sep-18	Volume 6, Issue 9	International Journal of Research in Advent Technology	International
5	ISSN: 2394-3696	A Study On Incremental Conductance Algorithm For Maximum Power Point Tracking Of Photovoltaic Systems	May-18	Volume 5, Issue 5	Novateur Publications International Journal Of Innovations In Engineering Research And Technology	International
6	ISSN: 2455-0620	An E- Type Asymmetric Multilevel Inverter With Reduced Number of	May-18	Volume 4, Issue 5	International Journal For Innovative Research In Multidisciplinary Field	International

7	ISSN: 2394-3696	A 13 Level Envelope Type Asymmetric Multilevel Inverter With Reduced Number Of Switches.	May-18	Volume 5, Issue 5	International Journal Of Innovations In Engineering Research And Technology	International
8	ISSN: 2320-2882	Hardware Implementation Of Maximum Power Point Tracking System Using Incremental Conductance Algorithm	Apr-18	Volume 6, Issue 2	International Journal of Creative Research Thoughts	International
9	2348-4470	Real Time Dynamic Hand Gesture Recognition For Human Computer Interaction	2018	Volume 5, Issue 01	Journal	International
10	2348-4470	Real Time Indian Sign Language Recognition System using SVM Classifier	2018	Volume 5, Issue 01	Journal	International
11	2394-8442	Detection of Diabetes mellitus using Tongue images	2017	Volume 4, Issue 6	Journal	International
12	2321-9653	Indian Sign Language Recognition System Using PCA Features	2017	Volume 5 Issue X	Journal	International
13	2394-8442	A Real Time Static Hand Gesture Recognition For Human Computer Interaction	2017	Volume 4, Issue 5	Journal	International
14	2015.41038	Implementation of PNN Based on Extraction of DCT features for Brain Tumor Classification	2015	Vol.3, Issue 10	Journal	International
15	2015.41038	Implementation of Classification System for Brain Tumor using Probabilistic Neural Network in IJARCC	2015	Volume 4, Issue 10	Journal	International
16	2015.31216	Cluster Based Energy Efficient Topology For Manets	2015	Vol.3, Issue 12	Journal	International

17	2015.31202	Dbet: Demand Based Energy Efficient Topology For Manets	2015	Vol. 3, Issue 12	Journal	International
18	2319-5010	Computer Aided Graphology Systems in Clinical Psychology Applications	2014	Vol. 2, Issue 2	Journal	International
19	2321-9637	Enhanced Identification of Malaria Parasite using Different Classification Algorithms Thick Film Blood Images	2014	Vol.2, No.10	Journal	International
20	PP 107-112	Automatic Identification of Malaria Parasites using Image Processing	2014	Issue 4	Journal	International

Training Programs Attended (QIP / CEP STTP / FDP/Workshops/ Seminars)

Sr.No.	Academic Year	Title of FDP / STTP	FDP / STTP	Organizer	Start Date	End Date
1	2020-21	Recent Trends in Mechatronics and Automation	FDP	NBN Sinhgad School of Engineering, Ambegaon (Bk) Pune-41	30-06-2020	04-07-2020
2	2020-21	Indian Economic Thought in Post COVID Scenario	Webinar	Thakur College of Engineering and Technology, Kandivali Mumbai(E)	09-07-2020	09-07-2020
3	2020-21	Cyber Security	FDP	Mahatma Gandhi Institute of Technology, Hyderabad	07-07-2020	12-07-2020
4	2020-21	MOODLE - Learning Management System	Workshop	N B Navale Sinhgad College Of Engineering, Solapur	10-07-2020	11-07-2020
5	2020-21	Recent Advances in Biomedical Applications and Communication Networks	FDP	GMR Institute of Technology, Rajam AP	13-07-2020	18-07-2020
6	2020-21	Basics of SDR, It's Implementation & Applications	Webinar	Shri G. S. Institute of Technology & Science, Indore (M. P.)	18-07-2020	18-07-2020

7	2020-21	Revised Accreditation Framework of NAAC	Webinar	Punyashlok Ahilyadevi Holkar Solapur University, Solapur (MS), India	27-07-2020	27-07-2020
8	2020-21	Employability in the New Normal: Preparing Students for Novel Careers	Webinar	ICFAI Business School Pune	25-07-2020	25-07-2020
9	2020-21	Letter of Appreciation		Global Talent Track (GTT)	25-08-2020	
10	2020-21	Education and Digital Era	Webinar	Department of Computer Science, Punyashlok Ahilyadevi Holkar Solapur University, Solapur (MS).	28-08-2020	28-08-2020
11	2020-21	MSMEs and Role of Universities	Webinar	Internal Quality Assurance Cell, Punyashlok Ahilyadevi Holkar Solapur University, Solapur (MS).	12-09-2020	12-09-2020
12	2020-21	Internet of Things (IoT)	Induction/Refresher Program	A.G.PATIL INSTITUTE OF TECHNOLOGY, SOLAPUR	07-04-2021	12-04-2021
13	2020-21	Recent Advancement in AI & Robotics	FDP	Dr D Y Patil School of Engineering and Technology, Pune	25-04-2021	29-04-2021
14	2019-20	Emerging Trends in Industry 4.0	FDP	JSPM's Rajarshi Shahu College of Engineering	18-05-2020	29-05-2020
15	2019-20	How to Navigate and find Career Opportunities Post Covid 19	Webinar	N B Navale Sinhgad College Of Engineering, Solapur	29-05-2020	29-05-2020
16	2019-20	Future of Training & Placement is Remote and Tools for TPOs in 2020 to increase productivity	Webinar	GREYATOM	03-05-2020	03-05-2020
17	2019-20	Employability Enhancement in various Countries & Best Practices Worldwide	Webinar	Maharashtra TPO (MaTPO)	28-05-2020	28-05-2020
18	2019-20	Staying Placement Positive	Webinar	Global Talent Track (GTT)	07-05-2020	07-05-2020
19	2019-20	Rethinking Employability and Skills in Global Higher Education	Webinar	Edukerron International	12-06-2020	12-06-2020
20	2019-20	Use of IoT in Industry 4.0	Webinar	Sinhgad Institute Of Technology, Lonavala	18-06-2020	18-06-2020
21	2019-20	Enhancing Research and Consultancy Skills	FDP	Rajarambapu Institute of Technology, Rajaramnagar	22-06-2020	26-06-2020
22	2019-20	Career Opportunities for Core ECE /E & TC and allied Branches	Webinar	N B Navale Sinhgad College Of Engineering, Solapur	21/06/2020 & 27/06/2020	
23	2019-20	5G Communication	FDP	N B Navale Sinhgad College Of Engineering, Solapur	18-11-2019	22-11-2019

24	2019-20	GER in Education and Developing Countries	Webinar	Punyashlok Ahilyadevi Holkar Solapur University, Solapur	29-06-2020	29-06-2020
25	2018-19	Outcome Based Education and Accreditation	FDP	N B Navale Sinhgad College Of Engineering, Solapur	24th Sept. 2018 to 28th Sept. 2018	
26	2018-19	Digital Image Processing	NPTEL Online Certification	IIT Kharagpur	July-Oct 2018	
27	2018-19	Analog Circuits	NPTEL Online Certification	IIT Kharagpur	Jan-Mar 2019	
28	2017-18	Student Centered Teaching Learning Practices	FDP	NBN Sinhgad COE, Solapur	26-27 Nov, 2017	
29	2017-18	Student Centered Teaching Learning Practices	FDP	NBN Sinhgad COE, Solapur	26-27 Nov, 2017	
30	2017-18	Analog Communication	NPTEL Online Certification	IIT Kharagpur	Jul-Oct 2017	
31	2017-18	Principals of Signals & Ssystems	NPTEL Online Certification	IIT Kharagpur	Jan-Apr 2018	
32	2016-17	Project Based Learning Using ARM Processor	STTP	NBN Sinhgad COE, Solapur	26-30 December 2016	
33	2016-17	Medical Image Analysis	NPTEL Online Certification	IIT Kharagpur	Feb-Mar 2017	
34	2015-16	Embedded Linux Development on ARM-09	STTP	NBN Sinhgad COE, Solapur	1-5 Jan 2016	
35	2014-15	Image processing & Machine learning	STTP	NBN Sinhgad COE, Solapur	22-26 Dec 2014	

SUBJECTS TAUGHT

Signal & Systems, Analog Communication, Electronic Product Design, Digital Signal Processing, Electronic System Design, Audio & Video Engineering, Random Theory and Coding, Industrial Electronics, , Basic Electronics, Control Systems, Digital Communication. Adaptive Signal Processing, Digital Data Compression

TECHNICAL SKILLS

- MATLAB
- C++
- Multisim software for design

AREA OF INTEREST

- Signal Processing, Image Processing

PERSONAL SKILLS

I am having Good

- Learning Skill
- Listening Power
- Grasping Power
- Analyzing power
- Communication Skill

I am having a strong belief in time management and team work.

PERSONAL DETAILS

Name	:	Vikas Marathe
Date of Birth	:	1 st June 1976
PAN Card No.	:	AJVPM9072E
Adhar Card No.	:	894805131948
Professional Membership	:	ISTE: LM-35471, IETE: M-223255
Marital Status	:	Married
Father's name	:	Ramchandra Marathe
Permanent Address	:	19/20, Sushil Nagar 2, Bharti Vidyapeeth Vijapur Rd. Solapur 413 004
Languages Known	:	English, Hindi & Marathi
Nationality	:	Indian

I hereby declare that the above mentioned information is true to the best of my
Knowledge and belief

DATE : 08 / 03 / 2024

PLACE: Solapur

(**VIKAS. R. MARATHE**)