

PERSONAL PROFILE

Full Name	:	Pratik Vinayak Oak
Highest Educational Qualification	:	M.E.E&TC (Signal Processing) PhD Pursuing
Permanent address	:	'Manas', Behind Abhijeet Steel Yard, Markandi, Chiplun. Dist.-Ratnagiri 415605
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E-mail id	:	pvoak@git-india.edu.in
Current designation	:	Assistant Professor

EDUCATIONAL QUALIFICATION

Degree	Specialization	Year of passing	Institute/University	Percentage
PhD	Biomedical Imaging	Pursuing	Dr.B.A.T.U.,Lonere	Course work 7.5 CGPA
M.E.E&TC (Signal Processing)	Signal Processing	2013	PES's Modern College of Engineering, Shivajinagar, Pune University	CGPA 7.9
B.E	Electronics	2009	Dr.J.J.Magdum College of Engineering, Jaysingpur, Shivaji University	66.81 %

RESEARCH PAPERS PUBLISHED

PAPERS PUBLISHED IN JOURNALS

Publication	Title of paper	Year of Publication
International Journal in Research of Electrical, Electronics, Instrumentation and Control Engineering	Contrast Enhancement of Brain MR Images using Histogram Based Techniques	Vol.01 June 2013.
International Journal of Latest Technology in Engineering, Management and Applied Science	Automatic Tumor Detection from brain MR Image using Image Processing	Volume 04 August 2015

PAPER PRESENTED AT CONFERENCES (National/International)

Sr. No.	Conference	Title	National/ International	Location	Year
1.	e-PGCON	"Comparison of Brain MR Image Enhancement based on histogram based Techniques"	National	Pune	2013
2.	ISTE Staff Convention	"Brain MR Image Specification using SVM"	National	Lavel	2013

WORKSHOPS / SEMINARS CONDUCTED

Sr. No.	Name of the Course	Place	Duration
1.	MATLAB Basics Overview	GIT, Level	Feb 2010 (3 days)
2.	MATLAB Programming	GIT, Level	Jan 2015 (2 days)
3.	Benefits of Attending Technical Conferences	GIT, Level	Aug 2015
4.	How to make PPT	GIT, Level	Aug 2015
5.	How to make a Synopsis	GIT, Level	Sept 2015
6.	Digitization in Teaching Learning Process	Junior College Principal Conference	8 th January 2016

MEMBERSHIP OF PROFESSIONAL BODIES

Sr. No.	Professional Body	Nature of Membership	Number
1.	ISTE	Lifetime	LM 66602
2.	IAENG (International Association of Engineers)	Lifetime	160184
3.	IEEE Communication Society Membership	1 Year	93789840

WORKED AS RESOURCE PERSON: TAUGHT SUBJECTS

Sr. No.	Year	Subject	Name of College	Duration
1.	Jan 2011	Digital Image Processing	PES's MCOE, Pune	3 months
2.	July 2012	Digital Image Processing (For M.E. students)	PES's MCOE, Pune	3 months
3.	Sep 2014	Image Segmentation & Morphology	KJ College of Engineering, Kondhawa, Pune	2 Days
4.	Oct 2015	Image Compression and segmentation	G.M.Vedak College, Tale	1 Day (7 Hrs.)
5.	March 2017	MATLAB GUI Modeling (BE & ME students)	JSPM, Narhe, Pune	29 th March 2017

WORKED ON PROJECTS

Sr. No.	Year	Title	Area
1.	2012	Brain MR Image Enhancement and automatic specification of tumor using SVM classifier	Image Enhancement and Machine Learning
2.	2013	Optimization of Quality Measures for different modalities of an image	Objective quality assessment
3.	2014	Brain MRI tumor detection using Neural networks	Neural Networks
4.	2015	Traffic Light controller using Image Processing	Image Processing, Live camera interfacing and microcontroller

Projects Guided and Achievements

Sr. No.	Year	Title	Implemented / Submitted	Significance
1.	2014	Blood Group Identification using Image Processing	Krushna Hospital, Karad	Automatic identification of blood group in 10-15 sec. with 97% accuracy
2.	2015	Fire detection using Image Processing	Ready system applicable for chemical industry	<ul style="list-style-type: none"> Detects the fire immediately after the small start Good sensitivity Hardware may make the system more fast
3.	2016	Single Shot Multi-face detection	Sponsored by Parshuram Temple	Detects all faces present in live captured image as well as stored image
4.	2016	Real time classroom automation using Image Processing	Patent filing under process	<ul style="list-style-type: none"> Complete automation of Electric equipments like tube, fan etc. with 0 delay Saves the electricity in large %
5.	2016	Washroom automation using sensors	<ul style="list-style-type: none"> Sanctioned under Unnat Maharashtra Abhiyan by Collector, Ratnagiri Implemented successfully in 3 locations of GIT Working smoothly from last six months 	Proposal of automation of 100 locations of GIT has been sanctioned and work is in progress
6.	2016	Text-to-speech Converter	Developed an application on mobile as well as desktop and working smoothly	Any notice can be outputted in speech form though speaker
7.	2017	Single shot complete attendance system	Recommended by UMA though collector office	Attendance updating of all faces present is the live captured image

EXTRA-CURRICULAR ACTIVITIES

Sr. No.	Name of the activity	Place	Duration
1.	Best Slogan Award : 3 rd Prize at 83 rd Akhil Bharatiya Sahitya Sammelan at Chiplun	Chiplun	11 th -13 th Jan, 2012
2.	Stage Committee Member in 83 rd Akhil Bharatiya Sahitya Sammelan at Chiplun	Chiplun	11 th -13 th Jan, 2012
3.	Organizing committee Member in 18 th Maharashtra State Vyakhyanmala Adhiveshan, Chiplun	Chiplun	Jan 2011
4.	Anchoring in 1 st Shatayu Library Sammelan, Chiplun	Chiplun	11 th -13 th Jan 2015
5.	Anchoring in 18 th ISTE Staff Convention	GIT, Lavel	15 th Nov 2013
6.	Technical Support Member of Dr. Ambedkar Vachanalay, Chiplun	Chiplun	From 2011
7.	First Class in Sanskrit Exam (Level 1)	Sanskrit, Kokanprant	June 2016

Mr. Pratik Vinayak Oak

Date: