



Mr. Kaustubh Vaman Sakhare
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 Domain Expert in Deep Learning Machine Learning, Machine Vision, Pattern Recognition.
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Educational Information

Education	University	Institute	Percentage	Passing Year
PhD	Pune University	COEP Pune	Pursuing	
PGDIT	SCDL, Pune	SCDL, Pune	62 %	2010
M.E.	Amravati	S.S.G.M.C.E. Shegaon	67 %	2007
B.E.	N.M.U.	Govt. COE Jalgaon	64.16 %	2003

Work Experience

Organization	Designation	Period	Subject
Tulsi Extrusions	Maintenance Engg.	Aug2003- June 2004	PLC
SSGMCE Shegaon	Research Associate	Aug 2006- May 2007	VLSI-DSP
Dayanand COE Bangalore	Lecturer	June 2007 - June 2008	Embedded Systems, DSP
PICT , Pune	Lecturer Assistant Professor	July 2008– Nov-2010 December 2010-Till date	Image Processing, Neural Network; Signal Processing; VLSI; System Software and Operating System Business Management, Biomedical Signal Processing

Roles and Responsibilities at PICT

Faculty Coordinator for T.E. , B.E. Courses: Tutoring the course; Theory, Practical
 (University, Institute level Assessment)

Coordinator TI Innovation Lab:

- Establishment of the Lab
- Mentoring the Student Groups in Image Processing, Signal Processing using Texas Instruments Tools, Various software for Innovation, Design Contest.
- Conducting the Special Interest Group in Signal Processing
- Planning, Execution of TI Innovation Challenge Campus wide.

Co – Principal Investigator: Research Project Funded under Rajeev Gandhi Innovation Council

Development of Tool for Specially Enabled (Deaf and Dumb students) using Image Processing

- Mentored groups in TI Innovation Challenge : 2013-2018
- Intel Innovation Competition: 2013-2014

- Dell Innovation Challenge: 2013-2014
- Tata Elxsi, Pune: Pedestrian Detection:2013-2014
- Persistent Systems, Pvt. Ltd, Pune: 2013-2014
- Tata Motors, Pune: Collision Detection: 2014-2015

Training Consultancy

- Conducted Corporate Trainings programmes on Model Based Design, Mathematical Modeling for Automotive Industries.
- Conducted sessions in AICTE, DTE and ISTE Approved Training Programmes at no. of Engineering Colleges and Universities in and around Maharashtra.
- Expertise in development and validation of Signal Processing Algorithms on MATLAB-System Generator.
- Hands of experience of Code generation with software environment like MATLAB-Simulink.

Corporate Client Training Interactions

Tata Technologies, Pune: Feb. 2012: MATLAB SIMULINK, Simulation and Modelling for Automotives

Wipro Technologies, Pune: March 2015: MATLAB, SIMULINK, State flow.

UTL Technologies, Bangalore: Aug 2017: Advanced Digital Signal Processing, Audio Processing.

Publication: 04 International, 04 National Conference, 2 Journal

Memberships: LM-ISTE, MIET

Extra Curricular Responsibilities:

- **National Coordinator:** Under Water Domain Awareness Summer School'18: A Project Based Internship program to explore the engineering students to the underwater, acoustic problem statements. Under the leadership of Padma Vibhushan Dr. Raghunath Mashelkar, Padma Bhushan Dr. Vijay Bhatkar, DRDO, AICTE, NIO, Pune University, Goa, Mumbai University are the associating organisers.
- **National Coordinator:** Bharat Innovation Summit'17: Innovation Competition conducted under the leadership of Padma Vibhushan Dr. Raghunath Mashelkar, Padma Bhushan Dr. Vijay Bhatkar
- **National Coordinator:** Tech For Seva' 13: National Conference and Innovation Competition conducted under the leadership of Padma Vibhushan Dr. Anil Kakodkar, Padma Bhushan Dr. Vijay Bhatkar
- **CCSA Member :** IET Pune Local Network Representing the Asia Level Committee of the IET
- **Secretary:** IET Pune Local Network: 2014-2017
- **Branch Counsellor:** PICT IET Student Chapter: 2012- till date
- **In-Charge :**PICT Cubers Club Founder Member
- **Coordinator:** PICT Robocon 2013- till date

COMMUNICATIONS

English (R\W\S), Hindi (R\W\S), Marathi (R/W/S), Kannada (R/S)

Currently working on Prototyping of Object detection in cluttered environments using CNN, Faster R CNN.

Kaustubh Vaman Sakhare