Name	**Dr. Ajay V. Deshmukh, Pune, India,** **Cell +91-7447474652,** **Email:- ajaydeshmukh@iitbombay.org** 
Education	Ph.D. IIT Bombay 2006, Thesis Title: Novel Transform Methods for Processing Sequences of Images in **M**agnetic **R**esonance **I**maging. ME Instrumentation Engineering, 1994, SGGSCE&T Nanded BE Instrumentation Engineering, 1989, SGGSCE&T Nanded
Experience	34 + years in Academics and Industry(Professor, Principal, Industry Consultant)
Designation(s)	• Founding Director & Proprietor , Resonance Automation (MSME) • Independent Director, Affordable Robotics and Automation Ltd. Pune (ARAPL), a public ;listed company in Pune • Founding Director, Resonance Research Foundation, a section 8 Company, Vidul, Dt. Yeotmal, Maharashtra, India • Adjunct Professor, HBSU Mumbai • Consultant and Expert to Industries, MNCs and PSUs --- • Former Consultant to Philips Healthcare, Chakan, Pune for RF Coils, Life Cycle Management (LCM) • Former Professor of Instrumentation & Control, Engineering • Former Principal of Engineering Colleges in Maharashtra & Gujarat. • Former Sr. Project Manager, IIT Bombay PMC for SMART city project at Solapur
Books/Publications	Author of Book Chapter, [1] AI in Instrumentation Industry, Bentham Science https://www.benthamscience.com/ebook_volume/3074 [2][3] Book Chapters in the Instrumentation and Automation Engineering Handbook, edited by Bela Liptak https://www.taylorfrancis.com/books/edit/10.1201/9781466559356/instrument-automation-engineers-handbook-bela-liptak-kriszta-venczel [4] **fMRI: Novel Transform Methods, Book Published by Narosa Publication, 2008** https://www.gettextbooks.com/isbn/9781842654538/ [5] **Microcontrollers: Theory & Applications, TMH 2005**, https://books.google.co.in/books/about/Microcontrollers_Theory_and_Applications.html?id=5PDx2Q9Ea_YC&redir_esc=y
Research Area, Areas of work for Industry	*Magnetic Resonance Imaging, Functional MRI and Cardiac MRI, MR Spectroscopy, Instrumentation, Industrial Mathematics, Control, Automation, Machine Learning, IOT and Data Analytics, Optimization of Industrial Operations, SMART city, Industry 4.0 for Training, Projects and Consultancy. Completed several Projects.*
Training Courses Offered to Industries	*Offered Customized Training Courses to Industries, MNCs and PSUs, many of those courses offered through IIT Bombay, over a period of three decades. Worked as the consultant to MNCs and other industries. Conducted several FDPs, SDPs, Public Lectures and Workshops at various Universities and Institutes of repute in India and Abroad. Organized International and National Conferences and Scientific and Industrial Research Meetings*

Memberships of Professional Bodies	[1] Indian Academy of Industrial and Applicable Mathematics (IAIAM), Treasurer IAIAM [2] The Mathematics Consortium (TMC), [3] Indian Nuclear Society (INS), [4] Maratha Chamber of Commerce Industries and Agriculture (MCCIA) Pune, [5] Chamber of Marathawada Industries and Agriculture, Sambhajinagar [6] National Magnetic Society of India (NMRS) [7] Instruments Society of India (ISOI), [8] Society for Cancer Research and Communication (SCRAC) Mumbai, [9 Biomedical Society of India (BMESI) [10] Former IEEE Signal Processing Chapter Chair, Bombay Section [11] Former Secretary of International Society of Automation (ISA) Pune Section