

CURRICULUM VITA

- 1) Name : **Prof. Dr. Kalange Ashok Ekanath**
- 2) Educational Qualification : **M.Sc. PhD**
- 3) Present Designation : **Vice-Principal, ASSOCIATE PROFESSOR**
- 4) Date of Birth : **20/08/1965**
- 5) Contact No. : **9420480080**
- 6) Email ID : **kalangeashok@gmail.com , AE.Kalange@tccollege.org**
- 7) Date of Appointment : **01/08/1989**
- 8) Teaching Experience : **34 Years 1 Month**
- 9) Date of joining in present college : **01/08/1989**
- 10) **Educational Qualification:**

Sr. No.	Examination Passed	University/ Board	Year of Passing	Subject(s)	Class/ Grade
1.	B.Sc.	University of Pune	1985	Physics	First
2.	M.Sc.	University of Pune (Currently SPPU, Pune)	1988	Physics	First
3.	Ph.D.	University of Pune (Currently SPPU, Pune)	2011	Physics	N.A.

11) **Total Research Publications :1**

a. M.Phil. / Ph.D./Research

Sr. No.	M.Phil./ Ph.D.Thesis Title	Name of The Univ.	Year of award	Name of Guide
1	Development of data acquisition system and analysis of human pulse for vata, pitta and kapha dominance in prakriti (May 2011)	Savitribai Phule Pune University, Pune	May 2011	Dr.(Ms) S.A.Gangal

b. Books:

Sr. No.	Title of Book	Year of publication	ISBN	Name & Place of Publisher
1	Nadi Parikshan Yantra	2019	978-0-359-35879-3	Lulu Publication 3101 Hillsborough St, Raleigh, NC 27607, United States
2	Embedded Systems	2023	9789357621335	Alpha International publication (AIP) Kammangudi, Adichapuram, Thiruvavur District, Tamilnadu-614717, India

c. Chapter in Book:

Sr. No.	Title of Book & Name of Editor	Title of the Chapter	Year of publication	ISBN	Name & Place of Publisher
1	-	-	-	-	-

Research Paper:

Sr. No.	Title of the Paper	Name of Journal	Month and Year of publication	ISBN	UGC. No./Impact Factor/ Citation Details
1.	Simulations of piezoelectric pressure sensor for radial artery pulse measurement	Materials Science and Engineering	15 April 2010	B Volume 168, Issues 1-3	
2.	Nadi- Parikshan Yantra and Analysis of Radial Pulse”	IEEE Xplore	7-10 March 2012		
3.	“Synthesis and Characterization of Thermally Annealed SnO ₂ Thin Film Using Thermal Evaporation Technique”	The Online International Interdisciplinary Research Journal (OIIRJ)		ISSN 2240-9598	
4.	Fabrication and Characteristics of Nano Sized Zn Se Thin Films by Chemical Bath Deposition	Int. Res. Journal of Science & Engineering	December 2017	Special Issue A1 : 35-38	
5.	Piezoelectric Sensor for Human Pulse Detection	Defence Science Journal	January 2007	Vol. 57, No. 1	
6.	Data Acquisition system for Radial pulse detection using NIDAQ card and Lab VIEW software	Jr. of Instrum. Soc. Of India		Vol 38 No. 4	
7.	PC based human arterial pulse detection System	Jr. of Instrum. Soc. Of India	2009	Vol 39 No. 4	

8.	Fast Fourier Transform (FFT)- A useful tool for analysis of Physiological signal	Bulletin of the Marathwada Mathematical society	December 2013	Vol. 14, No.2	
9.	Generation of Electricity from Anaerobic Waste Water Treatment in Microbial Fuel Cell	Int. Res. Journal of Science & Engineering	January 2018,	Special Issue A4	

d. Research Project:

Sr. No.	Name of Funding Agency	Project Title	Funds Received	Month and Year of sanction	Duration of the Project	Status of Project
1	Pune University, Pune	Design and development of hand held embedded system for human pulse detection	2,00,000/-	2007	2007 to 2009	Completed

e. Papers presented in Seminar / Conference:

Sr. No.	Name of the Conference/ Seminar	Title of the paper	Date	Level (State/ National/ International)	Name of the Organizer
1.	Second International Conference on advanced Material and polymers for Defence Applications(SAMPAD A-2008)	“Simulations of piezoelectric pressure sensor for radial artery pulse measurement”	12 /12/2008	International	YASHADA Pune
2.	Third International conference on Nanostructured Materials and Nanocomposites (ICNM 2015)	“Synthesis of Electron beam Evaporated Titanium Dioxide Thin Films and their use as Photo catalyst”	12/10/2015 to 14/04/2015	International	Hindusthan College, of Science and Tech. Farah, Mathura (UP)
3.	Second International Conference on Recent Multidisciplinary Research (ICMR 2018)	“Synthesis and Characterization of Thermally Annealed SnO ₂ Thin Film Using Thermal Evaporation	22-23 November, 2018	International	Asian Institute of Technology Conference Centre , Pathum

		Technique”			Thani, Thailand
4.	National Symposium on recent trends in molecular & Medical physics	Nadi Parikshan and analysis of Pulse	22-25 Jan 2005	National	University of Pune
5.	11th National Seminar on Physics and Technology of Sensors	“Radial pulse (nadi) detection system using Lab View”	27/2 to 1/3/2006	National	University of Pune
6.	National Seminar on Advances in Electro ceramics	“Piezoelectric Sensor for Human Pulse Detection”	05-06 May 2006	National	DRDO
7.	National Seminar on Interdisciplinary Applications of Electronics	National Seminar on Interdisciplinary Applications of Electronics	28-29 Jan 2006	National	ASC college Chopda , Jalgaon
8.	National Seminar	“National Symposium on Instrumentation (NSI-31)”	12-15 Oct 2006	National	ITM Gwalior (M.P.)
9.	12th National Seminar on Physics and Technology of Sensors	Classification of Human pulse on the basis of Vata, Pitta and Kapha, using in-house developed pulse detection system	2007	National	University of Pune
10.	13th National Seminar on Physics and Technology of Sensors	"NADI-PARIKSHAN Yantra: An Instrument for Pulse Examination"	2008	National	University of Pune
11.	13th National Seminar on Physics and Technology of Sensors	" Design And Development of An Embedded System For Human Pulse Detection"	2008	National	University of Pune
12.	National Conference	“An Instrument for Radial Pulse Examination”	17-19 Oct 2008	National	IAPT Convention at Bangalore
13.	14th National Seminar on Physics and Technology of Sensors	“Comparison of responses of the ultrasonic sensors PZT sensors and commercially available pulse sensors for detection of human arterial pulse.”	2009	National	University of Pune

14.	National Conference	“Effect of Contact pressure on Radial pulse.”	ICI2009 & NSI-34, 2010	National	Instrument society of India, Bangalore
15.	15th National Seminar on Physics and Technology of Sensors, 2010	“Non-Invasive Technique to Study Arterial Stiffness Characteristics Using Arterial Pressure Pulse”	04-06 Mar 2010	National	University of Pune
16.	National seminar	“ Nano science and Technology: Frontiers in Science and Technology”	07-09 Feb 2011	National	B.G. College, Sangavi ,PUNE
17.	National Conference on Recent Developments in graduate Mathematics	“ Fast Fourier Transform (FFT) – A useful tool for analysis of physiological signal”	6-8 Feb 2012	National	Nashik
18.	18th National Seminar on Physics and Technology of Sensors	“ Study of Human Arterial pulse width to evaluate Arterial stiffness”	06/03/14 to 08/03/2014	National	Dept of Physics and Electronic Science ,T. C. College, Baramati Dist-Pune
19.	National conference	“Frontiers of Chemistry and Materials”	12/02/15 to 14/02/2015	National	T.C. College, Baramati Dist-Pune

f. Patents Published/Register:

Sr. No.	Title of Invention	Date of Filing	Publication Date	National /International
1	Room Air Pollution Monitoring System using IoT Based	10/12/2021	14/01/2022	National
2	Device for Testing moisture Content in Soil	3/11/2022	04/01/2023	National
3	Artificial Intelligence based Cybersecurity Device for Military Networks	07/09/2023	14/09/2023	International

12) Research Guidance:

a) Guide ship Details

Sr. No.	M.Phil./ Ph.D. Guide	Name of University	Month & Year of recognition	No. of Research Scholars	
				Completed	Perusing
1	Ph.D.	SPPU, Pune	20/2/2015	-	6

b) Research Guidance

Sr. No.	Name of Scholar	Name of University	Month and Year Registration	Title of the Research
1	Mr. Kakade Sandip B	SPPU, Pune	Mar 2018	Synthesis and Characterization of metal oxide thin film for Gas sensing Application
2	Mr. Thorat Sopan Muralidhar	SPPU, Pune	Mar 2018	Physical and Chemical properties of Bismuth ferrites (BFO) and its applications in Visible Light Induced Photo Catalyses
3	Mr. Mhaske Sujit Sambhaji	SPPU, Pune	April 2022	Construction and Calibration of a Low Cost, Versatile and Sensitive Vibrating Sample Magnetometer and its application for the measurement of magnetic properties of (Fe_3O_4 , CoFe_2O_4 , ZnFe_2O_4 , MnFe_2O_4) ferrites.
4	Miss. Nikam Preeti Amol	SPPU, Pune	May 2023	Design and fabrication of polyvinylidene fluoride (pvdf) /pvdf-copolymer film sensor for bio-medical Application
5	Miss. Godase Priyanka Abasaheb	SPPU, Pune	May 2023	Synthesis, Characterizations of metal oxides (Tio_2 , WO_3 , SnO_2) based Nanomaterials and their application for Bio-sensing
6	Mr. Patel Saddamhusen Hamid	SPPU, Pune	May 2023	Studies On Structural, Electrical, Magnetic Properties and Photocatalytic Activities Of Co, Mn And Sm Doped With Batio 3 Nanoparticles.

13) Professional recognition / award/ fellowship etc.

Sr. No.	Name of Award/ Recognition	Awarding Agency	Date
1	Rajashree Shahu Maharaj National Excellence Award 2023	Bhartiy Karmachari Mazdoor Union Central Committee , New Delhi	15/07/2023
2	UGC Teacher Fellowship	University Grant Commission	2005to2007

14) E-Content Development:

Sr. No.	Title of Content	Level (UG/ PG / ALL)	Platform	Link of E-Content

15) Work Experience on Academic Bodies and other:

Sr.No.	Designation/ Position	Duration	Name of Institute / University	Details
1	Vice Principal	From 1/5/2023 onwards	T.C. College, Baramati	Academic Work
2	Member of Goering Council	From 2023	T.C. College, Baramati	-
3	Member of Academic council	2023 to 2026	T.C. College, Baramati	Member Secretary
4	Member of College Development Committee	From 2023	T.C. College, Baramati	Representative of Student Council
5	Chairman	From 2009	T C College Teachers Co Operative Society	-

16) Life Membership of Profession Bodies:

Sr.No.	Name of Professional Body
1	Indian Association of Physics

17) Any other Attainment: Nil