

# Manojkumar Vilas Kukade

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## Present position

- Associate Professor

## Contact Details (Mention e-mail) – fergusson.edu or despune.org



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## Work Experience

- Teaching: 31 years
- Research : 10 years

## Personal Profile

- Completed B. Sc. (Electronics) from Vivekanand College, Kolhapur, M.Sc. (Electronics) from Shivaji University, Kolhapur and M.Phil. in Electronic-Science from Savitribai Phule Pune University, Pune.
- Started teaching career as Lecturer in Electronics at Bharati Vidyapeeth's Kanya Mahavidyalaya, Kadegaon, District Sangali from 1991.
- Joined Fergusson College, Pune in December 1993.
- Promoted as Associate Professor in Electronic Science in 2010.
- Worked as member of Board of Studies for St. Mira's College for Girls (Autonomous), Pune.
- Worked as sub-committee member, Board of studies in Electronic Science, Savitribai Phule Pune University, Pune.
- Member of Board of studies in Electronic Science in Fergusson College (Autonomous).
- Resource person in various Syllabus Revision workshops under Savitribai Phule Pune University.
- Completed research project on “**Development of Electronic Nose for Spices Evaluation**” during 2014-16 funded by Board of College and University Development (BCUD) under University Research Grants Scheme, Savitribai Phule Pune University.
- Published a research paper in “International Journal on Future Revolution in Computer Science & Communication Engineering”.

- Published research paper in International IEEEExplore journal .
- Presented three research papers in the international conferences and received Best oral presentation award for one of them.
- Published two research papers in National conference out of which one received Third best paper award in oral presentation category.
- Worked as Assistant Director, Central Assessment Program (CAP) for B. Sc. (Computer Science), Savitribai Phule Pune University.
- Worked as Coordinator/ Session Coordinator of University level (Savitribai Phule Pune University) workshops.
- Participated in various State level, National level, International level conferences.
- Participated in various faculty development programs, Seminars and Panel Discussion on advanced topics.
- Worked as Session coordinator in the National Conference on “Emerging Trends in Computer Science and Computer Applications” organized by Fergusson College, Pune.

### **Course(s) Taught (Only Titles)**

1. Analog Electronics
2. Digital Electronics
3. Pentium Microprocessor
4. 8051 Microcontroller
5. Process Control Systems

### **Field of Specialization/Areas of Interests**

- Development of Gas sensing system
- Microcontroller Based control systems

### **Education**

- Master of Philosophy (M.Phil.) in Electronic Science  
Savitribai Phule Pune University, Pune.  
Year of Award: 2020
- Master of Science (Electronics): 1990  
Shivaji University, Kolhapur
- Bachelor of Science (Electronics): 1988  
Vivekanand College, Kolhapur

## Member of College Committees/ Professional Bodies and Others

College Level	Professional Bodies	Others
Board of Examinations, Fergusson College(Autonomous)		
First Year admission committee member, Fergusson College(Autonomous)		
Board of Studies in Electronic Science, Fergusson College(Autonomous)		

## Employment History

### 1) Organization : Bharati Vidyapeeth's Kanya Mahavidyala

**Role : Lecturer**

**Duration : 2 Years**

<b>Responsibilities</b>	<ul style="list-style-type: none"> <li>Conducting lectures and Practicals of first year and second year students</li> </ul>
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### 2) Organization : Fergusson College, Pune

**Role : Associate Professor (Electronics)**

**Duration : 29 Years**

<b>Responsibilities</b>	<ul style="list-style-type: none"> <li>Conducting lectures and Practicals of first year and second year students</li> <li>Looking after administration of Electronics subject in Computer Science Department.</li> </ul>
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## Research Projects

Title of the Project	Name of Funding Agency	Amount (Rs)	Duration (Year) (From - To)	Type (Minor/Major)	Outcome
Development of Electronic Nose for Spices Evaluation	Board of College and University Development (BCUD) Savitribai Phule Pune University, Pune	One Lakh Eighty Thousand	2014-16	Minor	Evaluated Spices using Electronic Nose circuit in which the various gas sensors were used.

## Research Publications in National and International Journals

1. M.V. Kukade, N.M. Kulkarni, D.S. Kumbhar, D.C. Gharpure. Identification of spices by Electronic Nose using pattern recognition technique. *International Journal on Future Revolution in Computer Science & Communication Engineering*. Volume: 4 Issue:5, ISSN: 2454-4248 243-250(IJFRCSCE March 2018)
2. Manojkumar Kukade, Tanay Karve and Damayanti Gharpure, *Identification and classification of spices by Machine Learning*. 978-1-7281-1423-1/19/\$31.00 ©2019 IEEEExplorer

## Participation in Conferences/Seminars/Symposia/Workshop:

1. M.V. Kukade, Ata Jahangir Moshayedi, D.C. Gharpure. *Electronic-nose (E-nose) for recognition of Cardamom, Nutmeg and Clove oil odor*. Presented at National Conference on Advances in Electronics and its Interdisciplinary Applications. ISBN: 978-93-5174-783-3 (Proceedings of NCAEIA-2014)
2. M.V. Kukade, N.M. Kulkarni, D.S. Kumbhar, D.C. Gharpure. *Identification of spices by Electronic Nose using pattern recognition technique*. Presented at International Conference on Emerging Trends in Engineering, Science and Technology(ICETEST – 2018).
3. Manojkumar Kukade, Tanay Karve, Dr. Damayanti Gharpure. *Identification and classification of spices by Machine Learning*. Presented at IEEE International Conference on Intelligent Systems and Green Technology

## Events Organized/Coordinated:

Sr. No	Name of the Event	Name of organizing Institute/ College/ University	Nature of contribution	Dates
1	University level workshop on Electronics Practicals : Scope and Expectations for S.Y. B. Sc. (Computer Science)	Fergusson College, Pune	Coordinator	29 <sup>th</sup> December 2003
2	National Conference on Emerging Trends in Computer Science and Computer Applications.	Fergusson College, Pune	Session coordinator	7-8 December 2013

3	National Conference on Advances in Electronics and its Interdisciplinary Applications.	Fergusson College, Pune	Local organizing committee member	19-20 September 2014
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### Additional skills/Activities

- Worked as Assistant Director, Central Assessment Program (CAP) for B. Sc. (Computer Science) under Savitribai Phule Pune University.
- Participated in various faculty development programs, Seminars and Panel Discussion on advanced topics.
- Worked as member of Board of Studies for St. Mira's College for Girls (Autonomous), Pune.
- Worked as sub-committee member, Board of studies in Electronic Science, Savitribai Phule Pune University, Pune.
- Member of Board of studies in Electronic Science in Fergusson College (Autonomous).
- Resource person in various Syllabus Revision workshops under Savitribai Phule Pune University.
- Participated and Presented Poster entitled Development of Electronic Nose for Spices Evaluation in the Regional research conference "INNOVATION 2015 and 2016.
- Active participation in recruitment drive for KPIT Pvt. Ltd in December – January 2022.