Somaiya Vidyavihar University

Name: Mansi Manoj Kambli	Email:prasadinipadwal@somaiy.edu/mansi.mk@somaiya.edu
Contact No: 9820339972	
Department/Section: Computer Engineering	
College: K J Somaiya College of Engineering	

DOJ Somaiya: 16 Dec 2003	Career Experience:__20_ Yrs	Industry Experience:__1_Yr	Teaching Experience:__20_Yrs
Present Academic Designation: Assistant Professor (Professor/Associate Professor/Assistant Professor)		Present Administrative Designation: - (Principal/Vice-Principal/ Associate Dean/ HOD etc)	

Area of research/specialization and Courses Delivered

Research domain/interests/areas
1. Remote Sensing
2. Image Processing
3. Machine Learning
4. Internet of Things

Courses Delivered
1. Image Processing
2. Machine Learning
3. Soft Computing
4. Digital Design
5. MNCC
6. Internet of Things
7. Artificial Intelligence

Recognition as a teacher by any University	UG: Yes	PG: Yes	Ph.D : Yes/No

Details of Recognitions
1. PG recognized teacher on 21 January 2019

Education

Examination	Name of the Degree	University/Board	Institute/College	Year	CPI/SPI/ %Marks
Ph.D					
PG	ME	Mumbai	TSEC(Bandra)	2010	76%
UG	BE	Mumbai	KJSCE	2001	61%
Diploma					
NET/SET/Other					

Notable Experience Details

Sr. No	Name of the organization	Designation	Date of Joining	Date of Leaving	Experience (Years)
1.	Hind Rectifiers Ltd	Trainee Engineer	17-9-2002	16-9-2003	1year

Research Accomplishments and Projects

No of students pursuing Ph.D as on date:	No of students completed Ph.D as on date:
No of students completed PG thesis / Project work as on date: 4	No of students / groups completed UG projects as on date: 15 groups

Somaiya Vidyavihar University

Publications Total:	Number of Peer review Journal papers:	Number of Conference papers:

Details of Publications:

International Journals & National Journals

1. Aishwarya R,Mansi Kambli," Text Summarization Using Deep Learning : An Analysis of sequence-to-sequence models and transformers", International Journal for Modern Trends in Science and Technology, Volume 8, Issue 07, July 2022.
2. Mansi Kambli,"Review on Deep learning and IOT techniques on Corona virus", International Journal of Science and Research (IJSR) ISSN:2319-7064 SJIF (2020): 7.803,Volume 10, Issue 5,May 2021.
3. Mansi Kambli,"Web based Environment Monitoring System using IOT",ICOEI 2019,IEEE conference,April 2019
4. Mansi Kambli,"Autopooling Android Application ,volume 7 issue no 4,April 2017", International journal of Engineering Science and computing, ISSN/ISBN No. ISSN 2250-1371
5. Mansi Kambli,"BikeBeat: An Implementation of an Android Application using Real Time Data from a Motorcycle using Arduino Microcontroller and Bluetooth",Volume 7,issue no 4,pg nos 10945-10949, International journal of Engineering Science and computing ISSN/ISBN No : ISSN 2321 @2017 IJESC
6. Mansi Kambli,Pooja Chawan,"Analysis of hardware and software security challenges in IOT 2018", pg 21-27 , journal of web development and web designing volume 3 issue 3.
7. Mansi Kambli,Rupali Patil,"Contour Analysis Based Gesture Control PC Operation ",International Journal of Innovative Technology and Exploring Engineering (IJITEE)', ISSN: 2278–3075 (Online), Volume-6 Issue-9, Page No.: 19-22, April 2017 .

8. MansiKambli,RohanKelkar,AbhishekBharambhe, AkshaykumarPrajapati,"NFC based Toll Management System",IJCSE,volume 4,issue 4,April 2016.
9. MansiKambli,RohanPatel,VaibhavGhorpade,VinayJain,"Fingerprint Based E-Voting System using Aadhar Database",IJREST,Volume-2,Issue-3,March,2015.
10. MansiKambli, Aslam Khan, AkshayPatil,,Viral Shah,"Attendance Monitoring System using Zigbee and RFID", IJREST,Volume-2, Issue-2, February .2015.
11. MansiKambli, Shalini Bhatia**,"** Fingerprint Image Compression", International Journal of Engineering science and technology vol 2(5), May 2010,919-928.
12. MansiKambli,Shalini Bhatia," Comparision of different Fingerprint Compression Techniques",Signal and Image Processing, International conference ,sep 2010
13. 1MansiKambli,"Range based Search Algorithm for Photomosaiac Generation",IJARCCE,Volume 3,Issue 2,February 2014
14. MansiKambli,"OCR on Android-Travelmate",IJARCCE,Volume 3,Issue 3,March 2014.
15. MansiKambli, PoojaKadam, KomalBankar, ShrutikaKadrekar," Password Authentication Techniques using Text And Color(BE Students)
16. Kambli, Mansi, and Bhakti Palkar. "Deep Learning Models for Classification of Remotely Sensed Data of Sugarcane Check for updates." Advances in Data-Driven Computing and Intelligent Systems: Selected Papers from ADCIS 2023, Volume 2 (2024): 1.
17. Bhatt, Krutika, Ranjit Kumar Sarangi, and Mansi Kambli. "COMPARATIVE ANALYSIS OF OCEAN COLOR FORECASTING MODELS: A CASE STUDY ON INDIAN SOUTHERN PENINSULA USING SARIMA AND DEEP LEARNING APPROACHES."
18. Kambli, Mansi, and Bhakti Palkar. "NDVI prediction using Machine learning after Geofencing on satellite data of Sugarcane crop." *Journal of Electrical Systems* 20.3 (2024): 1444-1455.
19. Kambli, Mansi, and Bhakti Palkar,"Sugarcane categorisation using Deep learning models on Sentinel dataset", ICTEAH 2024.

Conferences

1) Design and Implementation of Hybrid BCI based Wheelchair, Proceedings of the Second International Conference on Smart Electronics and Communication (ICOSEC).IEEE Xplore Part Number 2021: CFP21V90-ART; ISBN: 978-1-6654-3368-6
2) StageVR: Virtual Reality Based Public Speaking Simulator and Trainer, ICCUBEA 2017 (an IEEE Conference)
3) Smart Home automation system, , Indiacom 2018(IEEE conference)
4) An IOT based approach for Urban water management, Indiacom 2018(IEEE conference)
5) IOT Based Solution to Reduce Vehicular Traffic Congestion , Indiacom 2018(IEEE conference)

6)Web based environment monitoring system using IOT, International conference on trends in electronics and informatics 23-25 april 2019

7) MansiKambli, Shalini Bhatia," Comparision of different Fingerprint Compression Techniques", Signal and Image Processing, International conference ,Sep 2010 .

8) Jain, Harshit, Kashish Harisinghani, Shubh Gangar, and Mansi Kambli. "DoodSearch-OpenCV with Image Recognition." In 2022 IEEE Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI), pp. 1-4. IEEE, 2022.

9) Patil, Neha, Ojas Kulkarni, Vineeta Bhujle, Aniket Joshi and Mansi Kambli. "Automatic Question Classifier." In 2022 IEEE 4th International Conference on Cybernetics, Cognition and Machine Learning Applications (ICCCMLA), pp. 53-58. IEEE, 2022.

10) Thakker, A., Namboodiri, N., Mody, R., Tasgaonkar, R. and Kambli, M., 2022, December. Lossy Image Compression-A Comparison Between Wavelet Transform, Principal Component Analysis, K-Means and Autoencoders. In *2022 5th International Conference on Advances in Science and Technology (ICAST)* (pp. 569-576). IEEE.

Books published

1) Physical computing and IOT programming ,Publisher TechMax publication ISBN No. 978-93-5077-090-0 , Date of publication :July 2017
2) IOT Technologies, Publisher :TechKnowledge ,SYBSC Computer Science ,ISBN 978-93-5563-275-3 :2023

Patents/Copy Rights

No of Research / consultancy / projects completed: Rs: 40000	No of Research / consultancy / projects on-going: Rs:	No of Research / consultancy / projects on applied as on date: Rs:

Details of Research / consultancy / projects:
Completed:

On-going

Applied

IPR/ Copyrights: Agri-Geospatial Dataset
L-151199/2024
2024-06 | Registered copyright
CONTRIBUTORS: Mansi Kambli, Bhakti Palkar

FDPs/Seminars/Workshops/Training Programs Attended/ Organized/ Delivered
1) Successfully completed Coursera course on "Remote sensing Image Acquisition, Analysis and Applications ", April 2023
2) Successfully completed Coursera course on "Applied Machine learning in Python", Sep 2021
3) 2)Attended workshop on climate smart precision farming for sustainable development and augmenting farmers income from March 8-10 ,2022 in KIAAR
4) 3)Attended workshop on ArcGIS Pro: Geographic Information System, IEEE GRSS Bombay Chapter in association with K.J. Somaiya College of Engineering held from 3rd - 5th August 2022
5) Attended Training Programme (STTP) on "Geographic Information System (GIS)" from 19-07-2021to 23-07-2021 organized by Department of Computer Engineering, K. J. Somaiya

College of Engineering Vidyavihar, Mumbai.

6) 5)Attended Webinar "DECODE: It's not only an Image!" Organized by Department of Information Technology, K. J. SomaiyaCollege of Engineering, Vidyavihar in association with IEEE Bombay Section WIE Affinity Group held on 19th February 2022

7) Attended User Awareness Session: Turnitin Feedback Studio,21 September 2023

8) 7Attended one week STTP on "Internet of things and its Applications" in SAKEC college of Engineering,2 Jan-7 Jan 2017 .

9) Attended guest lecture on Lucid introduction to error correcting codes,14 Dec 2018

10) Attended webinar on Teaching and Learning with Matlab and Simulink ,Mathworks Feb 28, 2019

11) Attended workshop on Tensor flow and react native, 13 oct 2018

12) Attended workshop on Iot communication using MQTT cloud services,22 sep 2018

13) Attended webinar on Leveraging human capital ,Feb 28 2019,MCGRAWHILL

14) Attended Seminar on Matlab& Simulink for Engineering Education, October 2013.

15) Attended Seminar on "Information Technology Trend and Challenges", August 2005

16) Attended Distance Education Program on 'Embedded Systems', organized by IITB, Mumbai, Jan 2005.

17) Attended workshop on "Database Management System" organized by IIT ,Mumbai,2010

18) Attended workshop on Scilab organized by IIT,Mumbai,2011

19) Organized workshop on SAP ,6 Jan 2014

20) Organised workshop on "Database Management System",2013

21) Attended workshop on "Matlab and Simulink for Engineering Education ,4 oct 2013.

22) Attended National workshop on "Medical Imaging ",organised by IIT –Bombay, June 2015.

23) Attended workshop on "Multirate Wavelet Transform and its applications", 18-19 March 2016

Organized

1) Coordinating Internship on "Remote Sensing" since May 2022

2) Coordinated internship on :Image Compression from March 2021 to Feb 2022

3) Coordinated Internship on" Mindwave Automation" since April 2020

4) Cordinated in Eyantra competition on "Brain controlled wheelchair" April 2019

5) Coordinated internship on" Study on Internet of things", May-june 2017

6) Coordinated workshop on "Internet of Things",18 March 2017

7) Coordinated workshop on IOT communication using MQTT cloud services,22 sep 2018

8) Coordinated workshop on "Internet of Things",16 September 2017

9) Coordinated workshop on "Open Source Technology for database management on PHP ",16 july 2016

Delivered:
Lectures on Image processing in Knowledge Enhancement for thrust areas in Computer Engineering department in 2018

Notable Key Scholastic Achievements	
1.	Brain controlled wheelchair project mentor for Eyantra IIT Mumbai and published article in Maharashtra times 2019 for the same project

Notable Positions and Responsibility	
1.	Prior NAAC department coordinator Prior grievances students Redressal department coordinator
2.	Department Workshop coordinator Department Virtual lab coordinator

Date: 19 / 10 / 2024   **Signature of Faculty Member**