

## Dr. KAMLESH A. WAGHMARE

---

### PERMANENT ADDRESS::

“Hinghanghat Fael”  
Ward No. 15 ,  
Pulgaon - 442302  
Maharashtra, India

Email:waghmare.kamlesh@gmail.com  
Contact No: +91 9284015425



---

### Work Experience

- Worked as an Assistant Professor at Department of Computer Science and Engineering, Prof. Ram Meghe Institute of Technology and Research Badnera-Amravati since July 2012 till August 2014.
  - Worked as an Assistant Professor at Department of Computer Science and Engineering, Government College of Engineering Amravati since September 2014 to till date.
- 

### ACADEMIC RECORD

CLASS / COURSE	NAME OF THE INSTITUTION	BOARD OF STUDY	YEAR OF PASSING	AGGREGATE
<b>Ph.D.</b>	Government College of Engineering Amravati	SGB AMRAVATI UNIVERSITY	2019	--
<b>M.TECH. (CSE)</b>	Government College of Engineering Amravati	SGB AMRAVATI UNIVERSITY	2012	CGPA 8.27/10
<b>B.E (CE)</b>	Bapurao Deshmukh College of Engineering Wardha Maharashtra, India	RTMNU NAGPUR UNIVERSITY	2010	60.28%
<b>Diploma ( CE )</b>	Government polytechnic , Amravati – 444 602, Maharashtra, India	Government polytechnic Amravati	2007	74.23%
<b>X</b>	R.K High School, Pulgaon – 442302, Maharashtra, India	MSBSHSE	2002	67.07%

## COMPUTER PROFICIENCY:

<b>Languages</b>	C, C++,Java,Advanced Java,R Programming
<b>Platforms</b>	Windows, Linux
<b>Database</b>	MySQL, MSSQL, ORACLE
<b>IDEs</b>	Visual Studio, Turbo C++, Dev C++, Netbeans

## ACADEMIC PROJECTS:

- **Research work** Title “**DESIGN OF EFFICIENT DATA COLLECTION METHODOLOGY IN WIRELESS SENSOR NETWORK** “
- **M.Tech Projects**

<b>TITLE</b>	<b>Description</b>
“Spirometry Data Analysis and Classification Using Artificial Neural Network”	The project involved implementation Spirometry data such as Forced Expiratory Volume in 1 second (FEV1), Force Vital Capacity (FVC) and Small Vital Capacity was carried out using Spirometer. At present numbers of lung diseases are major threat to the human health due to air Pollution, smoking and other infections. The various Artificial Neural Network methods for the classification of Spirometry data are Back Propagation Network (BPN), Radial Basis Function (RBF) and Multilayer Perceptron Neural Network (MLPNN). The aim of the project is to acquire parameter such as FVC, FEV1 and SVC data and use unsupervised Artificial Neural Network for classification of the Spirometer data into Normal, Obstructive and Restrictive dataset..

## B.E Projects

<b>TITLE</b>	<b>Description</b>
“ <b>Portable Network Security System</b> ”	Portable Network Security System is basically tool for network enabled system to protect peer terminals from external unwanted attack. Application provides the Listing Network enabled port, data transfer method for port scanning. Port scanning is one of the most popular technique to discover and map services that are listening on a specified port. This project also provides the content based protection from the network with the file and folder content blocking if it is dangerous for system. Application also provides also provides interaction with the Linux O.S to define the all network based security trends. Packet filtering is most commonly used as a first line of defense against attacker from machine outside LAN. The IP Scanning is used in checking the entire computer IP’S connected in a LAN. It gives the status of the IP’S connected to the main server.

**AREAS OF INTEREST:**

- Operating Systems, Wireless Sensor Network and Data Science

**Patent Filed:**

**Title of the Invention: digital Video Security Using Optimized and Hybrid Based Novel Watermarking System**

**Application No. :** 201621036611A

**Publication date :** 18/11/2016

**Patent Awarded :**

**Title of the Invention: A system for Human Cognitive State Classification**

**Application No. :** 2021102810

**Publication date :** 24/05/2021

**List of Workshops:**

<b>Sr. No.</b>	<b>Title of the Program / course</b>	<b>Duration of the School/ Program</b>	<b>Date</b>	<b>Name &amp; Address of Organizing Institution</b>
	Two day ISTE workshop on Aakash for Education	2 days	10 <sup>th</sup> & 11 <sup>th</sup> November,2012	PRMIT & R, Badnera (conducted by IIT Bombay)
1	Engineering faculty workshop - Mission 10X	3 days	7 <sup>th</sup> to 9 <sup>th</sup> Oct 2013	PRMIT & R, Badnera
2	Two week ISTE workshop on Database Management Systems	2 week	21 <sup>st</sup> - 31 <sup>st</sup> May,2013	PRMIT & R, Badnera (conducted by IIT Bombay)
3	Two week ISTE workshop on Cyber Security	2 week	10 <sup>th</sup> – 20 <sup>th</sup> July, 2014	PRMIT & R, Badnera (conducted by IIT Bombay)
4	Coordinators workshop on Computer Networking	1 week	5 <sup>th</sup> May to 9 <sup>th</sup> May 2014	Conducted by IIT Bombay, Mumbai

---

**List of Short Term Training Program and Faculty Development Program:**

Sr. No.	Title of the Program / course	Duration of the School/ Program	Date	Name & Address of Organizing Institution
1	Participated in an online webinar training session on Intellectual Property Rights held on 11 <sup>th</sup> April 2020	1 Day	11 <sup>th</sup> April 2020	Department of CSE Government College of Engineering Amravati
2	Online Faculty Development Program on 'R Programming' in association with Spoken Tutorial, IIT Bombay	1 Week	23rd April- 28th April 2020	IIT Bombay
3	Participated in an online webinar training session on IOT for Music Therapy at St. John College of Engineering and Management, Palghar from May 24 to 28, 2020	1 Week	24 to 28 May 2020	St. John College of Engineering and Management, Palghar
4	Participated in STTP on Data Migration and Reconciliation with Bigdata 25-05-2020 to 27-05-2020	3 Days	25-05-2020 to 27-05-2020	Department of Computer Engineering, DYPIEMR, Pune
5	Participated in ASMA & ASMA's Online Faculty Development Program Series titled 'Online Learning Pedagogy and Effective Use of Case Methodology' conducted between May 17, 2020 to	1 week	May 17, 2020 to May 21, 2020	ASMA Pune

	May 21, 2020			
6	Participated in FDP on "Innovation, Entrepreneurship and its Relevance in Industry 4.0 Practices in the Post Covid-19 Situation" from 25-05-2020 to 29-05-2020	1 week	25-05-2020 to 29-05-2020	Terna College of Engineering Mumbai
7	Participated in 5 days Online FDP on Artificial Intelligence from 22nd May till 26th May 2020.	1 week	22nd May till 26th May 2020	

#### Life Membership:

Sr. No.	Membership name	Member Ship Number
1	Life member of Institute of Engineers (India)(IEI)	AM149039-5

#### List of Paper Publications in International Journals:

1. Kamlesh A. Waghmare, Dr. P.N. Chatur, B.V.Wakode "Spirometry Data Analysis and Classification Using Artificial Neural Network: An Approach", IJETAE, Volume (2), Issue (1),2012.
2. Kamlesh A. Waghmare, Dr. P.N. Chatur, B.V.Wakode "Spirometry Data Classification And Prediction Using Artificial Neural Network: A Survey", IJRIME, Volume (2),Issue(1),2012
3. Kamlesh A. Waghmare, Dr. P.N. Chatur and Dr.G.R.Bamnote," Spirometry Data Analysis and Classification using Data Mining: An Approach", International Journal Of Computer Science And Applications Vol. 6, No.2, Apr 2013 ISSN: 0974-1011
4. Kamlesh A Waghmare, PN Chatur, "Energy Efficient Data Collection and Routing Algorithm in Wireless Sensor Network: A Survey"IJREST.NET Volume(1) Issue(2),2014.
5. Kamlesh A Waghmare, PN Chatur, SS Mathurkar," Design of Efficient Data Aggregation Methodology for Wireless Sensor Network Using Fuzzy Logic", Vol. 12, No.21, 2017 ISSN: 0973-4562

6. Kamlesh waghmare, Dr. P. N. chatur,” Efficient Data Aggregation Methodology to Increase the Performance of Wireless Sensor Network Using Fuzzy Logic, Journal of Emerging Technologies and Innovative Research, Vol. 6, No.4, ISSN: 2349-5162, 2019.
7. Kamlesh waghmare, Ashwini Borkar,” Effective Approach for Exploratory Search Engine using Search Goal-Based Query Recommendation Technique, Journal of Emerging Technologies and Innovative Research, Vol. 6, No.1, ISSN: 2349-5162, 2019
8. A.V. Borkar, K.A. Waghmare, “Implementation of exploratory search engine with search goal based query recommendation”, International journal of scientific research and review, Vol. 7, No.5, ISSN: 7021-2008, 2019

---

### **List of International/National Conference:**

#### **International Conference:**

1. P.N.Chatur, KA Waghmare, S.S,Mthurkar, An integrated approach to minimize energy and flooding for Wireless Sensor Network, 2015 Annual IEEE India Conference (INDICON)
  2. KA Waghmare, PN Chatur, SS Mathurkar, Efficient data aggregation methodology for Wireless Sensor Network, 2016 International Conference on Wireless Communications, Signal Processing
  3. KA Waghmare, SK Bhala, Survey Paper on Sentiment Analysis for Tourist Reviews, 2020 International Conference on Computer Communication and Informatics
- 

### **Other significant contribution to academic:**

- Reviewed research papers in the First International Conference on Machine Intelligence and Research Advancement. 21 -23 December 2013
- Part of the departmental team involved in NBA work, NAAC work activity PRMIT&R, Badnera
- Workes as BoS Member Secretary of CSE Department, Government College of Engineering Amravati
- Working as a Teacher- Guardian for students
- Working as a Departmental Theory And Practical Examination in charge at GCOE Amravati
- Working as a Lab in charge at GCOE Amravati
- Worked as member of organizing committee in STTP PRMIT&R, Badnera and Government College of Engineering Amravati
- Worked as Practical Internal Examiner for Government College of Engineering Amravati
- Guided B.E. Projects – 25
- Guided M.Tech. Dissertation work – 3 Students
- Departmental R& D in charge at CSE Department Government College of Engineering Amravati
- **GATE Qualifies (2010)**

I, **Waghmare Kamlesh Anandrao**, hereby confirm that the information provided above is timely and true to my knowledge.

Date:

Place:

---

**(Kamlesh Waghmare)**