

Faculty Profile

Name: Dr. Rakhi D. Wajgi
Email: wajgi.rakhi@gmail.com
Phone No: 09970238062
Designation: Assistant Professor
Affiliation: YCCE, affiliated to RTMNU
Work Experience: 14 years
Research Areas: Algorithms, Bioinformatics , Swarm Intelligence
Projects Guided: More than 20 in UG and 8 in PG
Current Status: Working as Assistant Professor at CT Dept. YCCE, Nagpur

Sr.No.	Degree/Education	University/College	Percentage/CGPA
1	SSC, State Board	Vidya Mandir Koradi Nagpur	90.00% (22 nd Merit)
2	HSC, General Science	Vidya Mandir Koradi Nagpur	85.50%
3	BE, Computer Engineering	Pune University	65.36%
4	ME, CSE	BITS Pilani, Rajasthan	8.7 CGPA
5	PhD, CSE	RTM, Nagpur University	Received in 2019

Courses Taught : Data structures, Design and Analysis of Algorithms, Operating Systems, Computer Architecture and Organization, Artificial Intelligence.

Achievements:

1. Project was selected as TCS Best project 2013-14
2. II Best project award at National Project Competition "Pratkruti" 2014
3. Best Paper award in International Conference ITAC-12
4. Established a startup E-TANTRASHALA under MSME scheme
5. Received elite NPTEL certification in Python, Problem solving Through C
6. Received 3 copyrights

Publications:

2020

1. Rakhi Wajgi, Jitendra Tembhurne, Dipak Wajgi, "Thoracic Image Analysis using Deep Learning", Book Chapter titled Computational Intelligence and Health Informatics **(Wiley,Scopus:accepted)**
2. Rakhi Wajgi, Jitendra Tembhurne, Dipak Wajgi, " Internet of everything: Applications" Book Chapter Latest trends in AI **(Springer & Scopus :accepted)**
3. Dipak Wajgi, Ujwalla Gawande, Rakhi Wajgi, "Review of Localization Approaches in Wireless Sensor Networks", International Journal of Advanced Science and Technology, ,Volume. 29, No. 5. June ,2020, **(Scopus)**

2019

4. Shubhangi Ninawe, Rakhi Wajgi, Detection of DOM-Based XSS Attack on Web Application", Springer Conference on Intelligent Communication Technologies and Virtual Mobile Networks **(Scopus)**
5. Rakhi Wajgi, Manali Kshirsagar, Dipak Wajgi, "Reconstruction of Gene Regulatory Network using Modified Ant-based Algorithm", International Journal of Engineering and Advanced Technology (IJEAT)', ISSN: 2249-8958 (Online), Volume-9 Issue-4, April 2020, Page No. 443-448, **(Scopus)**

2018

6. Shounak A Katyayan, Dipak W Wajgi, Rakhi D Wajg "A Clustering Based Approach to Provide Security to Wireless Sensor Network", IEEE, 2018 2nd International Conference on Trends in Electronics and Informatics (ICOEI), **(Scopus)**
7. Gauri Bhanegaonkar, Rakhi Wajgi, Dipak Wajgi, "Finding Association Between Genes by Applying Filtering Mechanism on Microarray Dataset", Springer, International Conference on Advances in Computing and Data Sciences. **(Scopus)**

2017

8. Vrushali Balpande, Rakhi Wajgi, "Prediction and severity estimation of diabetes using data mining technique", IEEE, 2017 International Conference on Innovative Mechanisms for Industry Applications **(Scopus ICIMIA)**

2016

9. Kiran Singh, Rakhi Wajgi, "Data analysis and visualization of sales data", IEEE, 2016 World Conference on Futuristic Trends in Research and Innovation for Social Welfare **(Scopus Startup Conclave)**
10. Rakhi Wajgi, Sonali Bagul, "Design feedback analysis system for E-commerce organization", IEEE, 2016 World Conference on Futuristic Trends in Research and Innovation for Social Welfare **(Scopus Startup Conclave)**

2015

11. Chanda Panse, Dr. Manali Kshirsagar, Dr. Dhananjay Raje, "Imputation of Missing Gene Expressions for DNA Microarray using Particle Swarm Optimization", 2nd International Conference on Computer and Communication Technologies, Springer AISC series, July 2015, Hyderabad **(Scopus)**

12. Rakhi Wajgi, Manali Kshirsagar, Pranoti Kamble, "Identifying Most Significant Genes on Imputed Gene Expression dataset", IEEE International conference on Communication System and Network Technologies, April 2015, Gwalior (**Scopus**)
13. Rakhi Wajgi, Manjiri Kotpalliwar, "Classification of Attacks using Support Vector Machine (SVM) on KDDCUP'99 IDS Database", IEEE International conference on Communication System and Network Technologies, April 2015, Gwalior(**Scopus**)
14. Rakhi Wajgi, Manjiri Kotpalliwar, "Adaptation SVM(A-SVM) in Grid Environment", International Journal on Recent Trends in Computing and Communication, Vol: 3 Issue:2,February 2015, ISSN:2321-8169

2014

15. Chanda Panse, Dr. Manali Kshirsagar, Dr. Dhananjay Raje, "Modelling of Gene Regulatory Network using Bacteria Foraging Optimization", International Conference Emerging Research in Computing, Information, Communication and Applications, **Elsevier**, Bangalore, India,2014
16. Rakhi Wajgi, Mohit Tare, Indrajit Gohokar, Jayant Sable, Devendra Paratwar, "Multiclass Tweet Categorization using Map-Reduce Paradigm", International Journal of Computer Trends and Technology, April 2014 vol9 issue 2 ISSN No:2231-2803
17. Rakhi Wajgi, Mayuri Joshi, Revati Deshmukh, Kalashree Hemke, Ashwini Bhake, "Image Retrieval and Re-ranking techniques : survey", Signals and Image Processing: an International Journal, vol 5 issue 2 April 2014
18. Rakhi Wajgi, Sneha Borkar, "A Bayesian Model Framework for Reconstructing Gene Network", IEEE sponsored International Conference on Industrial Automation and Computing , April 2014, Nagpur

2013

19. Chanda Panse, Dr. Manali Kshirsagar, "Survey On Modelling Methods Applicable to Gene Regulatory Network", International Journal on Bioinformatics & Biosciences, Vol.3, No.3, September 2013

2012

20. Chanda Panse, Dinesh Gawande, Rajesh Dharmik, "Load Balancing in Grid Environment", International Journal of Engineering Research and Applications (IJERA), Vol. 2, Issue 2, Mar-Apr 2012, pp.445-450 ISSN: 2248-9622
21. Rakhi Wajgi, Manali Kshirsagar, Kanchangauri Tulankar, "Clustering Telecom Customers using Emergent Self Organizing Maps for Business Profitability", Int. Journal of Computer science and Technology, Vol-3,issue-1 March 2012 ISSN:0976-8491

Expert Lecture Delivered:

1. Resource person in 1 Week ISTE workshop on “Application of GPU Programming in Engineering 2015” From March 20 to 24 2015
2. Guest Lecture on Complexity classes at St. Vincent Pallotti College of Engineering, Nagpur March 2017
3. Guest Lecture on Decision Tree Algorithm in Machine Learning, in 3 days FDP organized at IT Dept. KITS, Ramtek, July 2020
4. Resource Person for GATE session conducted under PRERNA Scheme for SC/ST students for Higher education at Suryodaya College of Engineering, Nagpur

Workshops Attended

2020

1. One Week online STTP on “**Computer Vision and Machine Learning (CVML-2020)**” at YCCE, 25th- 30th May 2020 (Speaker: Dr. M. Kokre, SGGs Nanded)
2. 5-Days workshop on **Data Analytics** organized by leadingIndia.ai initiative by Bennette University Greater Noida, 13-17 May 2020
3. One week STTP on **Design of Intelligence System**, VNIT 2017

NPTEL FDP

1. Problem Solving Through Programming in C:12 Week FDP successfully completed with **Elite certificate**
2. AI: Searching Methods for Problem Solving: 12 Week FDP Successfully completed
3. Design and Analysis of Algorithms : 8 Week FDP Successfully completed
4. Joy of Computing with Python:12 Week :**Elite certificate**: 12 Week FDP

Other Information:

- NBA co-ordinator since 2018 till today
- Coding Club Incharge and faculty advisor for registered Codechef chapter
- III cell incharge (2018 till today)
- Co-ordinator UG Major Project(13-14)(14-15)(15-16)(16-17,17-18, 20-21till date)
- Faculty Magazine Incharge “Dhyaas”, 2011-12
- Departmental Co-ordinator National Project competition “Pratikruti” (2013-14)
- Departmental EDP co-ordinator (2012-13)(2013-14)
- Member Board of Studies (CT)
- Result Analysis work DLA(2010-11,2011-12,2012-13)
- Part of Design of Syllabus (for Autonomy UG,PG)
- Submitted RPS proposal on “Modeling Realistic size of Gene Regulatory Network on High Performance Machine”, Group (Thrust area)
- Reviewer of Spandan 2013
- Core committee member for Preparation of NBA,2013

All information provided above is true to the best of my knowledge.

Dr. Rakhi Wajgi

Assistant Professor

YCCE, CT Dept.