



DILIP S.KALE

M.E. Computer Engineering

B.E. Computer Engineering

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Cell No: 9892260280

Designation: Assistant Professor (Computer Engineering Department)

Experience: Teaching : 28 Years / Industry: 2 Years

Areas of Interest: Robotics, A. I ,Database management system ,Business data processing, Discrete structure ,Computer graphics,Computer programming. Distributed Computing, Data Structures and Algorithm, Computer Organization and Architecture, C, C++

Publications:

Journals:

1. Kale D.S and Udmale S.S. (2013), “Simple and Low Profile Wide Band Circular Patch with Rectangular Ground Planner monopole antenna A Literature Review”. Elsevier.3 rd international conference on recent trends in Engineering & Technology.

Conferences:

1. Kale D.S and Sambhe V.K (2007) “Ground penetrating Radar”, National conference on recent trends in information technology for rural development dec-2007.

2. Kale D.S and Sambhe V.K (2008) “Antenna for Mobile Jammer “paper presented in the area of wired and wireless advanced network at Internal conference, jully 2008.

3. Sonam Kamble and Dilip Kale, “An Advanced Tree Based Energy Routing Protocol”, International Journals of Advanced Research in Computer Science and Software Engineering (IJARCSSE) Vol. 7, Issue 7, July 2017, pg. 231 - 235.

4. Sonam Kamble and Dilip Kale, “Enhanced Self - Organizing Tree - Based Energy - Balance routing protocol” International Journal of Innovative Research in Computer and Communication Engineering (IJRCCE), Vol. 5, Issue 4, April 2017

5. Sonam Kamble and **Dilip Kale**, “ A Survey on Self - Organizing Tree - Based Energy - Balance Routing Protocol”, International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), Vol. 5, Issue 2, February 2017
6. Hemali Agane and **Dilip Kale** “Unraveling the Convolution of SAT for Satisfiability paper presented in international Conference in ICTIS 2020. Ahmedabad.
7. Akash Pawar and **Dilip S Kale** Paper Published in International Research Journal of Engineering and Technology (IRJET) Ameliorating Depression through Deep Learning conversational Agent:A novel Approach to Mental Health Intervention. Published in Journal Vol 10, issue 3 March 2023.
- 8.

Project Supervisor

PG level:

1. Enhanced Clustering System Using Dijkstra’s Shortest Path.

UG level:

1. Content based Audio recognition and searching
2. Speech Recognition
3. Hands free system control using face detection
4. Application of Fuzzy Logic for the Assessment of Engineering Student
5. Crop yield pest Disease for Indian farmers using Big Data Analysis.
6. Player Predication System using power BI.
7. StaleNude An app to track food shelf life using Image Processing and Machine Learning.

Short Term Training Program:

1. Two Week Workshop on “Mathematical and Statistical Foundations in Engineering Application” From 16th to 19th September, 2016 and 12th to 17th October, 2016 organized by Department of Computer Engineering and IT Under TEQIP-II.
2. Two Week QIP Short Term Course (AICTE Sponsored) on “Big Data Analysis” From 10th to 19th MAY, 2017 , Organized by Department of Computer engineering and IT, Veermata Jijabhai Technical Institute(VJTI), Mumbai.

Professional Bodies Association:

- Life Member of ISTE [LM-51566]
- Life Member of ISNT [LM-6436 BM]
- ACM Member No [0629431]