



## **Profile of Dr.Mrs. Shraddha Pandit**

### **Personal Information:**

Name: Dr.Mrs.Shraddha Viraj Pandit  
Email: shraddha.pandit@moderncoe.edu.in

### **Educational Information:**

- Ph.D. Under faculty of Computer Science & Engineering in Image Processing
- ME (Computer Engineering) from Vishwakarma Institute of Technology, Pune.
- BE (Computer Engineering) from Government COE, Amravati
- Professional Experience:
- Teaching experience of 18 years

### **Area of Interest :**

Object Oriented Programming, Distributed System, Data Mining, Database Systems, Machine Learning, Data Science, Data Compression, System Programming, Object Oriented Analysis & Design

### **Publications**

#### **Patent Publications (National)**

[1] Computer Implemented Method for Semantic Indexing Based Text Classification Using Deep Learning [ **Published on: 25/10/2019, Application No.201911042141**]

[2] Multi Objective Optimization System and Method for Node Capture Attack in Wireless Sensor Network (WAN) [ **Published on: 10/01/2020, Application No. 201921050646**]

### **Papers Publications:**

[1] **Shraddha Pandit**, Piyush kumar Shukla and Akhilesh Tiwari , “ Review of Video Compression Techniques Based on Fractal Transform Function and Swarm Intelligence”, International Journal of Modern Physics B, vol.34, no.8, pp.250061-1-250061-21, Jan.2020.

[2] **Shraddha Pandit**, Piyush kumar Shukla and Akhilesh Tiwari , “ Comparative Exploration of Compression and Decompression Impact on Fractal Video ”, Journal of Advanced Research in Dynamical and Control Systems, vol.11, no.2, pp.1556-1566, May 2019.

[3] **Shraddha Pandit**, Piyush kumar Shukla and Akhilesh Tiwari , “ Review of Different Video Compression Methods Based on Fractal Transform”, International Conference on Big Data, Cloud Computing and Intelligent Systems, Lakshmi Narayan College of Technology, Bhopal,2019

[4] **Shraddha Pandit**, Piyush kumar Shukla and Akhilesh Tiwari, “Investigating the effect of Compression and Decompression in Video using Fractal Technique”, International Conference on Information and Communication Technology for Sustainable Development ,LNNS, vol.75 , pp.73-81,GOA, India, Aug. 2018.

[5] **Shraddha Pandit**, Piyush Kumar Shukla and Akhilesh Tiwari, “Fractal Compression of an AVI Video File using DWT and Particle Swarm Optimization”, International Journal of Computer Science and Information Security, vol.16, no.1, pp.128-131, Jan.2018.

[6] **Shraddha Pandit**, Piyush Kumar Shukla and Akhilesh Tiwari, “Enhance the Performance of Video Compression Based on Fractal H-V Partition Technique with Particle Swarm Optimization”, International Journal of Computer Sciences and Engineering, vol.6, no.1 , pp.31-35, Jan.2018. [UGC Approved]

[7] **Shraddha Pandit**, Piyush Kumar Shukla and Akhilesh Tiwari, “A Proficient Video Compression Method Based on DWT & H-V Partition Fractal Transform Function”, International Journal of Scientific Engineering and Technology, vol.7, no.2, pp.20-24, Feb.2018.

[8] **Shraddha Pandit**, Piyush Kumar Shukla and Akhilesh Tiwari, “Video Compression Based on Fractal Isosceles Triangular Partition using Hybrid Swarm Intelligence”, International Journal of Computer Application, vol.179, no.29, pp.28-34, Mar.2018. [UGC Approved]

[9] Supriya Kumari, **Shraddha Pandit**, “ An Efficient Data Replication on Cloud Computing using MBFD with Mutual Information” , International Journal of Innovative Research in Computer and Communication Engineering ,Vol. 5, Issue 5, May 2017.

[10] Krati Pandey, Manish Shrivastava, **Shraddha Pandit**, “Reversible Steganography in

Image: An Overview and Review”, IJLTET, vol. 8, issue 1, January 2017.

[11] Krati Pandey, **Shraddha Pandit**, “Secure Reversible Data Hiding Method Based on Histogram Shifting and XOR Based Transformation”, IJARCSSE, vol. 6, issue 12, December 2016.

[12] Parul Khatri,**Shraddha Pandit** , “ An Efficient Technique for the Cloud Data Retrieval using IBE”,International Journal of Scientific and Engineering Research, vol.6,Issue 6,June 2015,ISSN 2229-5518.

[13] Prachi Sharma,**S.V.Pandit**, “ Anonymous Packet Format based Secure and Effective Routing Protocol in MANET”, International Journal of Application or Innovation in Engineering and Management, vol. 4, Issue 2, February 2015, ISSN: 2319-4847.

[14] Manish Mishra, **Shraddha Pandit**, “Image Encryption Technique Incorporating Wavelet Transform and Hash Integrity”, International Journal of Research in Engineering and Technology, vol. 2, Issue 2, February 2015, eISSN: 2319-1163.

[15] Sonal Janbandhu,**Shraddha Pandit** , “Improved Service Selection Algorithm in Heterogenous Cloud Network”,International Journal of Innovative Research in Computer and Communication Engineering”,vol. 3,Issue 2,February 2015,ISSN:2320-9801.

[16] Bali Sharma,**S.V.Pandit**,“ Image Self Embedding and Watermarking using Least Significant Bit”, International Journal of Advanced Research in Computer Science and Software Engineering, vol. 5, Issue 6, June 2015, ISSN 2277-128X.

[17] Prachi Sharma,**S.V.Pandit**, “ Energy Efficient And Low Cost oriented High Security Method For MANET: A Review” ,International Journal of Application or Innovation in Engineering & Management (IJAEM) vol. 3, Issue 3, March 2014,ISSN: 2319-4847.

[18] Mayank Nagar,**Shraddha Pandit**,Jayprakash Mourya, “Detection & Classification of Network Anomalies using SVM and Decision Tree”, International Journal of Computer Science and Information Technologies, vol. 5 (2) , 2014, 2338-2341.

[19] Aninash Pal,**Shraddha Pandit**,Jayprakash Mourya, “Classification and Analysis of High Dimensional Datasets using Clustering and Decision tree”, International Journal of Computer Science and Information Technologies, vol. 5 (2) , 2014, 2329-2333

[20] Shanu Verma,**S.V.Pandit**,“ State-of-the-art-of Privacy Preserving Data Aggregation Methods for MANET”, International Journal of Application or Innovation in Engineering and Management, vol. 3, Issue 4, April 2014, ISSN:2319-4847.

[21] Bali Sharma,**S.V.Pandit**, “ A Survey on Different Techniques of Tampering and their Detection” , International Journal of Latest Technology in Engineering, Management & Applied Science, vol. III,Issue X,October 2014,ISSN 2278-2540.

[22] Shanu Verma,**S.V.Pandit** ,“Optimized Data Aggregation Method for Time, Privacy and Effort Reduction in Wireless SensorNetwork”,International Journal on Recent and Innovation Trends in Computing and Communication, vol.2, Issue 12, December 2014, ISSN: 2321-8169.

[23] Manish Mishra, **Shraddha Pandit**, “Image Encryption Technique Based on Chaotic system And Hash Function” IEEE International Conference on Computer Communication and System, 20<sup>th</sup> -21<sup>st</sup> February 2013, Chennai, India.

[24] **Shraddha Pandit**,Manish Shrivastava , “Technique for Image Search Using Fractal Quadtree Partitioned Iterated Function System-A Survey”, International Journal of Advanced Computer Research (ISSN (print): 2249-7277 ISSN (online): 2277-7970) vol.3 Number-1 Issue 8 March-2013.

[25] Raghvendra Sharma,**Shraddha Pandit**,Sandeep Kumar , “Enhanced Capacity Steganography Using Multi-Channel Architecture”, International Journal of Emerging Technology and Advanced Engineering(ISSN 2250-2459, ISO 9001:2008 Certified Journal) vol. 3, Issue 10, October 2013.

[26] Durgesh Nirapure,**Shraddha Pandit** , “Review paper on Content Based Image Retrieval using HSV color model” at International Journal of Engineering & Managerial Innovations at Bhopal, vol. I(II)September 2013,ISSN:2321-693X.

[27] **Shraddha Pandit**, M.V.Kulkarni,M.L.Dhore ,“Image Comparison Search Engine Based on Traditional and Improved Fractal Encoding Techniques”, International Journal of Recent Trends in Engineering and Technology, vol. 2, No. 3, Nov 2009, Finland.

### **Memberships of Professional bodies**

- Member of CSI, IEEE, IAENG

### **Awards and achievements**

Received award for best teacher for the year 2016-2017 by SRIJAN 2018, Bhopal

### **Contribution towards teaching profession**

- Paper setting and assessment duties for University of Pune, RGPV, Bhopal, AKU Patna and Bharati Vidyapeeth, Pune University.
- Senior supervisor for Theory examinations and F.E Online examination at Pune University

### **Administrative Experience**

- Worked as Equity Action Plan (EAP) Coordinator under TEQIP-III at university level
- Worked as Training & Placement officer and professor incharge of Central Library.
- Worked as Dean (Acad.) and HoD in Computer Science and Engineering Department.
- Nodal Officer under TEQIP-III at Institute level.
- Head of preparing departmental documents for NAAC and NBA Accreditation.
- Convener & member of National Seminars Organized by the institute.
- Coordinator of Microsoft Innovation Center, Microsoft India Pvt. Ltd at College level.
- Coordinator of IBM software Center of Excellence, IBM India Pvt. Ltd at College level.
- Attended and Organized Many Workshops (ISTE - IITB, Microsoft, IBM etc.)
- Worked as a mentor for Innovation Jockey contest by Accunture, Mobiwiz contest by TCS, TGMC by IBM, TCS smart brain mind challenge by TCS etc.