



**PROF. SHIRISH K. SABNIS**

M.E. in Instrumentation Engineering

B.E. in Electrical Engineering

---

**Email:** shirish.sabnis@mctrgit.ac.in

---

**Designation:** Assistant Professor

---

**Experience:** Educational 34 Years

---

**Areas of Interest:** Signal processing, Image processing, Steganography and Information security

---

**Publications**

1. Participated in poster paper presentation for PhD scholars at VJTI( February 2012)
2. Participated in Research methodology workshop conducted by IIT Bombay(July 2012)
3. S.K.Sabnis, R.N.Awale, “A High Capacity and Security Enhancement Image Steganography With Effective Encryption”, ISSN 0975-7074, Vol. 4, No. IV (October 2012), pp. 235-249 International Journal Ascent Publications
4. S.K.Sabnis, R.N.Awale, “Steganalysis of High Capacity Image Steganography” ScienceDirect Procedia Computer Science, 7th International Conference on Communication, Computing and virtualization 2016
5. Manali Naik, Pushpanjali Tungare, Pooja Kamble, Shirish Sabnis, “Color Cryptography using Substitution method”, International Research Journal of Engineering and Technology (**IRJET**), Volume: 03 Issue: 02 | Feb-2016
6. Anuja Vane, Dhruv Panchal, Shirish Sabnis, Sonali Shinde, “RBCs’ CLASSIFICATION USING IMAGE PROCESSING TO DETECT MALARIAL PARASITES.” International Research Journal of Engineering and Technology (**IRJET**), Volume: 03 Issue: 02 | Feb-2016
7. Mohit Yadav, Ashwita Ram, Aaishwarya Bhoir, Shirish Sabnis, “Image Captcha Based Authentication using Visual Cryptography”, IJARIE Vol-3 Issue-2 2017
8. S.K.Sabnis, R.N.Awale “An Efficient Image Steganography Technique Using Optimization Based Integer Wavelet Transform(draft ready)
9. S.K.Sabnis, R.N.Awale” A NOVEL SECRET DATA EMBEDDING SCHEME FOR DIRECTIONAL BASED STEGANOGRAPHY” (draft)
10. Shivam Kaul, Abhishek Anand, Dishant Desai, Shail Ahmed, Shirish Sabnis” Universal healthcare system” 2018 IJCRT|Volume 6, Issue 1 March 2018|ISSN:2320-2882
11. Rupali Palekar, Afrin Munshi, Shirish Sabnis “Secure data transfer using image steganography” ICATE-2K18 organised by ISTE-DMCE chapter ISBN:978-93-5267-422-0

12. Noaman Kaysingwala , Shivshankar Sahu , Piyush Save ,Shaikh Mohd. Arshan , Shirish Sabnis “Eventor – Workshop & Events Registration & Management Application International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) Volume 12, Issue 4, April 2023
13. S.K.Sabnis,Dipti Apage,Sameer Bhandarkar,Dhiraj Jadhav,Aakash Kshirsagar, “JAVA BASED FIRST-PERSON SHOOTER (FPS) GAME WITH REMASTERED GRAPHICS” in International Journal of Scientific Research in Engineering and Management (IJSREM),Volume: 08 Issue: 04 | April - 2024 SJIF Rating: 8.448 ISSN: 2582
14. S.K.Sabnis,Abhishek Manwatkar,Janvi Patil,Bhakti Sutar,Rahul Wankhade “ACTION RECOGNITION WITH VOICE OUTPUT USING DEEP LEARNING FOR ASSISTING BLIND PEOPLE” in International Journal of Scientific Research in Engineering and Management (IJSREM),Volume: 08 Issue: 05 May - 2024 SJIF Rating: 8.448 ISSN: 2582-3930

**NPTEL:**1. Successfully completed the course in “**Principles of signals and system**” (courseduration 12 weeks) NPTEL online certification Jan-April2018  
2.Successfully Completed NPTEL online certification course in “**Digital Image Processing**”July-Oct 2018(12 weeks)with Elite grade  
3.Successfully completed course in “**Information Security:Context and Introduction**”(4 weeks)May/June 2020 by University of London Coursera

### **Project Supervisor**

**PhD Level: Nil**

**PG Level: Nil**

**UG Level:**

1. Human Recognition and Surveillance System
2. Image Captcha Based Authentication using Visual Cryptography
3. RBCs’ Classification Using Image Processing To Detect Malarial Parasites.
4. Color Cryptography using Substitution method
5. Universal healthcare system
6. Secure data transfer using image steganography
7. Diabetic Retinopathy using Image Processing
8. Online Bidding System

---

---

**Professional Membership: LMISTE**