



## SATISH Y KET

**Ph.D.** Technology (VJTI, Mumbai)

**M.E.** in Computer Engineering

**B.E.** in Electronics Engineering

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**Designation:** Professor, Computer Engineering Department.

**Experience:** Educational 29 Years

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**Areas of Interest:** System Security, Blockchain, Wireless Ad-hoc Networks, Mobile Computing, Machine Learning, Computer Network

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### Publications

#### Journals:

1. Bhushan Patil, Satish Ket, “Machine Learning based secure and efficient task allocation in multi-cloud”, *Concurrency Computation Pract Exper.* 2023; DOI 10.1002/cpe.7848.
2. Kalpana Deorukhkar, Satish Ket, “Optimal Hybrid LSTM-RNN for Image Captioning with Deep Features”, *International Conference on Embracing Industry 4.0 Technologies for Sustainable Growth (ICEI 4.0)*, collaborated with *Journal of Engineering, Project and Production Management (Scopus Index International Journal)*, April 2022.
3. Sonal Bankar, Satish Ket, “Realistic image generation from text using deep learning”, *International Conference on Embracing Industry 4.0 Technologies for Sustainable Growth (ICEI 4.0)*, collaborated with *Journal of Engineering, Project and Production Management (Scopus Index International Journal)*, April 2022.
4. Kalpana Deorukhkar, **Satish Ket**, “A detailed review on Prevailing Image Captioning Methods using Deep Learning Techniques”, *International Journal of Emerging Technologies and Innovative Research (www.jetir.org | UGC and ISSN Approved)*, ISSN: 2349-5162, Vol.8, Issue 5, page no. ppf572-f588, May-2021, doi: <http://doi.org/10.1729/Journal.27087>
5. Prasanna Shete, R. N. Awale, **Satish Ket**, “Channel Quality Aware Cross-layer Design based Rate Adaptive MAC for Improving the Throughput Capacity of Multi-hop Ad-hoc Networks”, *Elsevier Journal on Ad-hoc Networks*, vol. 63, pp. 45-61, August 2017.

6. **Satish Ket**, R. N. Awale, "Comparative Analysis of Transmitter and Receiver Based Rate Adaptation Algorithms for IEEE 802.11 Ad-hoc Networks", *International Journal on Recent Trends in Engineering and Technology (IJRTET) 2011*, vol. 5, issue. 1, pp. 37-42, March 2011.
7. **Satish Ket**, R. N. Awale, "Performance Investigation of Capacity Enhancement Algorithm for IEEE 802.11 Wireless Ad-hoc Networks", *International Journal on Computer Applications (IJCA)*, number 6, article 7, pp. 37-44, 2011.

#### Conferences:

1. Kalpana Deorukhkar, Satish Ket, "Performance evaluation of state of art deep learning techniques for Image Captioning", Conference on Technologies for Future Cities, Pillai College of Engineering, New Panvel, IEEE Xplore - Paper is selected for publication, Oct 2021.
2. Bankar Sonal Ajay, and **Satish Ket**, "An Analysis of Text-to-Image Synthesis." International Conference on Smart Data Intelligence (ICSMDI – 2021) Proceedings Available at SSRN: <https://ssrn.com/abstract=3852950> or <http://dx.doi.org/10.2139/ssrn.3852950>
3. Deepali Panda, Gayatri Raje, **Satish Ket**, "Augmented Reality based Navigation and Recognition System", International Conference on Automation, Communication and Computing 2020 organized by RAIT, Navi Mumbai, <https://doi.org/10.1051/itmconf/20203203026>
4. Bhavika Raut, **Satish Ket**, "BS-MRP: Bandwidth based Secured Data Transmission in MANET", International Conference on Recent Innovations in Computer science and Information Technology 2019 organized by Science Plus, Pune, pp. 94- 97, June 19, 2019.
5. **Satish Ket**, R. N. Awale, "Receiver Based Capacity Enhancement with Cross-Layer Design Approach for IEEE 802.11 Ad-hoc Networks", *International Conference and Workshop on Emerging Trends and Technology 2011*, TECT, Mumbai with ACM-SIGART, pp. 804-809, Feb. 25-26, 2011.
6. **Satish Ket**, R. N. Awale, "Transmitter Based Capacity Enhancement with Cross-Layer Design Approach for IEEE 802.11 Ad-hoc Networks", *International Conference on Advances in Computing Communication and Control 2011*, FrCRCE, Bandra, Mumbai with Springer Link, vol. 125, part 2, pp. 413-423, Jan. 28-29, 2011.
7. **Satish Ket**, R. N. Awale, Prakash Tiwari, Mahesh Patil, "Information Theoretic Rate Adaptive MACA", *International Conference on Software Engineering and Computer Systems 2009*, University of Malaysia Pahang, Malaysia, Oct 19-21, 2009.
8. **Satish Ket**, R. N. Awale, Ravindra Khandare, Vijay Shinde, "Cross Layer Communication for Wireless Networks", *International Conference on Advances in Computing Communication and Control 2009*, FrCRCE, Bandra, Mumbai with ACM-SIGART, pp. 629-632, January 23-24, 2009.
9. **Satish Ket**, R. N. Awale, Ravindra Khandare, Vijay Shinde, "Comparative Analysis of TCP Variants with Wireless Link", *International Conference on Advanced Computing & Communication Technologies, FISAT*, Cochin, Kerala, pp. 320-323, Sept. 24-26, 2008.
10. **Satish Ket**, R. N. Awale, Ravindra Khandare, Vijay Shinde, "Comparative Analysis of TCP Variants", *National Conference on Frontiers in Electronics, Communication, Instrumentation and Information Technology 2008*, ISM University, Dhanbad, Jharkhand, pp. 151-155, Oct. 13-15, 2008.
11. S.B. Wankhade and **Satish Ket**, "Cross Layer Design: A Survey", *National Conference on Recent trends in Information Technology for Rural Development*, Department of Information Technology, SSGM College of Engineering Shegaon, December 09-10, 2007.

12. Salman Khan, Ganesh Misal, **Satish Ket**, Sharmila Gaikwad, “Analysis of Behavior of Parallel Web Browsing: A Case Study”, *International Conference on Industrial Applications of Signal Processing*, DACOE, Karad, November 25-27, 2013.
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**Project Supervisor**

**PG Level:**

- Increasing Network Performance with Multipath Routing in Terms of Bandwidth and Security on MANETs.

**UG Level:**

- Data acquisition, management and analysis of cryogenic fluids.
  - Reliable Re-encryption & de-decryption data in cloud environment
  - Website development khadi and village industry
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**Professional Bodies Association:**

- Life Member of ISTE
  - Fellow IETE
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