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PROFILE

Completed **Ph.D** in Engineering from IIEST Shibpur, Kolkata India, having total **16 Years** of **teaching experience**. Presently working at **Guru Nanak Institute of technology as an Associate Professor in ECE department.** My areas of research include Image processing, Machine Learning and Control System.

EDUCATION

- Completed **PhD** from **IIEST Shibpur** in **2018** (17th May).

- Passed **M.E.** (Control system) from **Jadavpur University** in **2004**.

- Passed **B.Tech.** (Electronics and Communication Engg.) from **Kalyani Government Engineering College**, Kalyani under University of Kalyani, **in 2002**.

TEACHING EXPERIENCES

- **6** years in **Netaji Subhash Engineering College** (18.11.04 -31.08.11)
- **10** years in **Guru Nanak Institute of Technology** (01.09.11-till date)

MEMBERSHIP IN SOCIETIES

- Corporate Member of Institution of Engineers (IE), India.

RECENT PUBLICATIONS

JOURNALS:

1. Suparna Biswas and Jaya Sil, **An Efficient Face Recognition Method using Contourlet and Curvelet Transform**, **Elsevier Journal of King Saud University - Computer and Information Sciences,** Volume 32, Issue 6, Pages 718-729, 2020, https://doi.org/10.1016/j.jksuci.2017.10.010.

2. Suparna Biswas, Jaya Sil and Santi. P. Maity, **On prediction error compressive sensing image reconstruction for face recognition**, **Computers and Electrical Engineering (Elsevier Journal)**, 722- 735, August 2018, Volume 70. https://doi.org/10.1016/j.compeleceng.2017.11.009

3. Suparna Biswas, Wriju Banerjee, Sanchari Saha, Saswata Sundar Maity, Tathagata Bhattacharyya and Subhrajyoti Sadhu, **GPS Tracking, QR code Scanner Based Application to Help the Health Workers and Common Citizens during Covid-19**, 012026, February 2021, Volume 1797, No. 1, **Journal of Physics Conf. Ser.**, https://doi.org/10.1088/1742-6596/1797/1/012026

4. Suparna Biswas, Senjuti Mazumdar, Sangeeta Rana, S.B. Amreen Saba, Palasri Dhar and Sayan Roy Chaudhuri, **Face Detection based approach to combat with COVID-19**, 012031, February 2021, Volume 1797,No. 1, **Journal of Physics Conf. Ser.**, https://doi.org/10.1088/1742-6596/1797/1/012031

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International Conference:

1. Suparna Biswas, Jaya Sil and Santi Prasad Maity, Compressive Sensing Based Expression. Recognition, Second International Conference on Advanced Computational and Communication Paradigms, 25-28 February, 2019 SMIT Sikkim. https://doi.org/10.1109/ICACCP.2019.8882945

2. Suparna Biswas, Jaya Sil and S.P. Maity, Compressive Sensing based Gender Recognition, Sixth International Conference On Advances In Computing Communication And Information Technology -CCIT 2018, 28-29, April, 2018 at Zurich, Switzerland.

3. Suparna Biswas, Jaya Sil and S.P. Maity, PCA based Face Recognition in Curvelet Compressive Measurements ,in Proceedings of the 1st International Conference on Computational Intelligence Communications and Business Analytics, Springer, Calcutta Business School, Kolkata, West Bengal, India, 24th-25th March, pp. 217-229, 2017. https://doi.org/10.1007/978-981-10-6427-2_18

4. Suparna Biswas and Jaya Sil, An efficient face recognition method using contourlet transform, in Proceedings of the IEEE International Conference on Computational Intelligence and Communication Networks (ICRCICN), RCC, Kolkata, West Bengal, India 23rd-25th September, pp. 27-31, 2015. https://doi.org/10.1109/ICRCICN.2015.7434204

5. Suparna Biswas and Jaya Sil, An Efficient Expression Recognition Method using Contourlet Transform, Permin 15, 2nd International Conference on Perception and Machine Intelligence, Pages 167-174, February, 2015, CDAC Kolkata. https://doi.org/10.1145/2708463.2709036.

6. Suparna Biswas and Jaya Sil, Facial Expression Recognition Using. Modified Local Binary Pattern, International conference on Computational Intelligence in Data Mining Volume-2, Smart, Innovation, Systems and Technologies Volume 32, Springer 2015,pp 595-604. https://doi.org/10.1007/978-81-322-2208-8_54

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