



Dr. Agrawal Rajesh K

Associate Professor & Head, E&TC Department.

Ph D, ME Electronics

agrawal.rk@snjb.org

Area of Interest(s): Signal Processing

Education:

- Ph. D. RTM University, Nagpur
- M.E (Electronics), Shivaji University, Kolhapur
- B.E (Electronics), Pune University

Experience:

- Assistant Professor SNJB's KB Jain College of Engineering, Chandwad, since 2008.
- Senior Lecturer, SSV's CoE, Dhule (2000 to 2008)
- Lecturer, GCE CoE, Nagaon Dist. Dhule (1994 to 2000)

Courses / Subjects Involved With :

1. Electromagnetics
2. SAS
3. BCS
4. VLSI

Publications:

International Journal:

- Agrawal Rajesh K, Bawane N G, "Performance Analysis of ANN for Satellite Image Pixel Classification", International Journal of Computer Applications, Vol 104 - No. 17, 5-6, ISSN: 0975-8887
- Agrawal Rajesh K, Bawane N G, "Multiobjective PSO based adaption of neural network topology for pixel classification in satellite imagery", Applied Soft Computing, Vol. 28C, 217–225, ISSN: 1568-4946
- Agrawal Rajesh K, Bawane N G, Adaptive Lifting Wavelet Transform for Classification of Hyperspectral Signatures, Advances in Remote Sensing, Vol 4 no 2, 138-146
- FPGA Based Home Security System, Intl. Journal on Innovative Research in Science, Engineering and Technology,(IJRSET), Vol. 4, Issue 12, 12865-12869, ISSN: 2347-6710
- Magic Glove for Speech Impaired using XBEE, Intl. Journal of Modern Trends in Engineering & Research (IJMTER), Vol. 3, Issue 11, e ISSN: 2349-9745; p ISSN: 2393-8161
- Novel Deep Learning Approach for Age & Gender Detection from Face Images, IJRAR, Vol 6, Issue 1, 100-103, E-ISSN 2348-1269 P- ISSN
- Detection & Management of Traffic Congestion using VANET, International Journal of Advance Research in Science and Engineering (IJARSE), Vol. 07, Special Issue 01, 185-194, O: 2319-8354 P:2319-834

International Conference:

- Agrawal Rajesh K, Bawane N G, "PSO based Selection of Spectral Features for Remotely Sensed Image Classification", Fourth International Joint Conference-AET 2013 Proceeding, 143-149, ISBN: 978-93-5107-193-8, Dec 13-14, 2013
- Real Time Vehicle License Plate Recognition, ICRTET 2018,

Expert Lectures Delivered :

1. 'Data Analysis using Python' for TE Diploma students (Guru Gobind Singh Polytechnic, Nashik), 25 May 2021.
2. 'Why Engineering', Session for career guidance for 12 Science students, Chandwad Jan 2021.

Workshops / Seminar / STTP Conducted:

- 2 Days workshop on 'AI with Raspi', funded by SPPU Pune University.
- 2 Days workshop on DSP with Xilinx Vivado', funded by SPPU Pune University.

Workshops / Seminar / STTP Attend:

1. Syllabus detailing workshop on Mechatronics organized by Pune University on 2nd September 2006 at NDMVP's COE Nashik
2. Mission 10X organized by Wipro on 7th to 11th September 2009 at SNJB's LSKBJ COE Chandwad
3. State Level Seminar on Research trends in communication Engineering, signal processing, Advance Computing on 20th and 21st January 2012 organized by SNJB's LSKBJ COE Chandwad
4. Workshop on Making Presentation with LATEX on 9th April 2013 organized by SNJB's LSKBJ COE Chandwad
5. Workshop on LATEX on 24th and 25th October 2016 organized by SNJB's LSKBJ COE Chandwad
6. One Day Certificate Program on "Intellectual Property Management and Patent Life cycle Management" By Krishna and Saurastri Associates Pune organized by SNJB's LSKBJ COE Chandwad on 24th April 2017.
7. FDP on Cyber Security organized by Shivaji University Kolhapur and SNJB on 25/11/2019 to 30/11/2019
8. FDP on Theory, Operation and Applications of Transducers and Actuators in Industry organized by National Institute of Teachers' Training and Research Kolkata on 30/12/2019 to 3/1/2020
9. Online Faculty Orientation Workshop on SE E&TC Revised Syllabus 2019 course for the subject Electronic Skill Development organized by BOS E&TC, SPPU and AIT Pune on 18/1/2021 to 20/1/2021

Administrative Responsibilities:

1. HoD of E&TC Dept.
2. Magazine Editor
3. Institute Students Grievance Cell Coordinator,
4. Department NBA Program Coordinator upto Feb 2020
5. ICRTET 2012, 2013, 2014, 2015, 2016, 2018 Session Manager
6. Sr. Supervisor at SNJB's LSKBJCOE Chandwad during

Professional Membership:

- ISTE Life Member
- Member of Institute of Engineers