

GOVERNMENT POLYTECHNIC ARVI
FACULTY TRAINING INFORMATION
DEPARTMENT: ELECTRONICS AND COMMUNICATION
ENGINEERING DEPARTMENT

1. Name of the faculty member : Dr. Gawalwad B. G.
2. Designation : Head of Department Electronics Engineering
3. Date of Birth & Age : 07th Sept 1976
4. Date of joining Tech Ed Dept : 03rd Nov 2016
5. Date of joining G P Aravi : 03rd Nov 2016
6. Address for correspondence : Government Polytechnic, Deurwada Road, Arvi, District Wardha, Pin-442201
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8. Academic Qualification (Bachelor Degree onwards)



Sr. No.	Degree Held	University	Year of passing	Specialization
1	B.E.	S. R. T. M. U. Nanded	1999	Electronics and Telecommunication Engineering
2	M.E.	Pune University	2001	Electronics and Telecommunication Engineering
3.	PhD	S. V. N. I. T. Surat	2015	Electrical Engineering

9. Research Publication :

A) Journals

1. **Balaji G Gawalwad** and Shambhu N Sharma, Coloured noise analysis of a PLL system: beyond Itô and Stratonovich calculi, Differential Equations and Dynamical Systems, Vol. 24, Issue 2, pp 231-245, April 2016.
2. **Balaji G Gawalwad** and Shambhu N Sharma, On a non-linear electronic circuit filtering, Circuits, Systems, and Signal Processing, Vol. 35, Issue 2, pp 459-480, February 2016.

3. Shubhangi Wanve, **B.G. Gawalwad**, "Automatic color object sorting system," International Journal of Modern Trends in Engineering and Research, Volume 2, Issue 7, 2015.
4. Varade Priti Arun, **B. G. Gawalwad**, "ECG Steganography for Protecting Patients Confidential Information," International Journal of Science and Research (IJSR), Volume 4 Issue 4, 2015.
5. P. V. Ahire, **B. G. Gawalwad**, "Multiple Spectrum Sensing Techniques for Cognitive Radio System," International Journal of Modern Trends in Engineering and Research, Volume 2, Issue 7, 2015.
6. Vaishali N. Pawar, **B. G. Gawalwad**, "Web Based Supervisory Control and Data Acquisition," International Journal of Modern Trends in Engineering and Research, Volume 2, Issue 7, 2015.
7. Neha Singh, **B. G. Gawalwad**, "Improving Ergodic and Outage Capacity of Spectrum Sharing Cognitive Radio Networks," International Journal of Advanced Research in Computer Science and Software Engineering, Volume 5, Issue 4, 2015.
8. Snehal S. Somwanshi, **B. G. Gawalwad**, "Monitoring Civil Structures with a Smart Wireless Sensor Network," International Journal of Engineering and Applied Sciences (IJEAS), Volume-2, Issue-3, March 2015.
9. Kanor Jyoti Sanjay, **B. G. Gawalwad**, "Reversible Data Hiding using RRBE," International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE) Volume 4, Issue 12, December 2015

B) National and International conferences/ Conference Proceedings:

1. Balaji G Gawalwad and Shambhu N Sharma, Wiener meets Kolmogorov, *2016 IEEE Conference on Norbert Wiener in the 21st Century (21CW)*, Melbourne, VIC, 13-16 July 2016, pp. 1-6. **ISBN: 978-1-4673-8380-6.**
2. **Balaji G Gawalwad** and Shambhu N Sharma, On a perturbed phase-locked loop system: A simple physical model, The 2013 Multi-conference on Systems and Control (An IEEE Control System Society Conference), Hyderabad, India, August 28-30, 2013, pp. 430-436.

- ISBN: 978-1-4799-1559-0.
3. **Balaji G Gawalwad** and Shambhu N Sharma, Noise analysis of a CMOS inverter using Itô stochastic differential equations, The 2012 Multi-conference on Systems and Control (An IEEE Control System Society Conference), Dubrovnik, Croatia, October 3-5, 2012, pp. 344-349.
ISBN: 978-1-4673-4503-3.
 4. **Balaji G Gawalwad**, Nanasaheb S Patil, Shambhu N Sharma, An estimation algorithm of a second-order phase-locked loop system, Proceedings of IEEE International Conference on Computer Communication and Informatics (ICCCI), Coimbatore, India, 2012, pp 1- ISBN: 978-1-4577-1580-8.
 5. Nanasaheb S Patil, **Balaji G Gawalwad**, Shambhu N Sharma, A random input-driven resistor-capacitor series circuit, Proceedings of IEEE International Conference on Recent Advancements in Electrical, Electronics and Control Engineering (ICONRAEeCE), Sivakasi, India, 2011, pp 100-103. ISBN: 978-1-4577-2146-5.

10.Details about training / seminars / workshop etc

(From years 2018-19, 2017-18, 2016-17)

A) Expert Lecture/Seminar delivered

(From years 2018-19, 2017-18, 2016-17)

Sr. No.	Title of Lecture / Seminar	Date	Venue
NIL			

B) Workshop / Seminar Attended

(From years 2018-19, 2017-18, 2016-17)

Sr. No.	Name of Workshop / Seminar Attended	Date	Venue	Days/Week
NIL				

C) Training attended

(From years 2018-19, 2017-18, 2016-17)

Sr. No	Title	ISTE/MSBTE/DTE/ AICTE/YASHADA/ NITTTR/OTHER	Date	Venue	Days/Week
1	Foundation Course	YASHADA	02/05/2018 to 12/06/2018	YASHADA Pune	42 Days

Signature of HOD