

## STAFF PROFILE



### Dr. Gajanan Rangarao Patil

Professor

Electronics & TeleCommunication

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#### Educational Details

Qualification	Degree	University	Grade	Year
Doctrol	PhD	Savitribai Phule Pune University		2015
PG	ME Electronics	Savitribai Phule Pune University	60.6	1992
Graduation	B Tech Electronics	Calicut University	74.33	1989
HSC	HSC	Maharashtra State Board	85.5	1985
SSC	SSC	Maharashtra State Board	89	1983

#### Experience Details

Type	Duration	Designation/ Organisation Name	Brief Job Profile
Educational	7 Jun 2016 - till date	Professor & Head Army Institute of Technology Pune	
Educational	1 Feb 2016 - 6 June 2016	Professor Army Institute of Technology Pune	
Educational	14 Jan 2011 - 31 Jan 2016	Associate Professor Army Institute of Technology Pune	Teaching
Educational	1 Aug 2008 - 13 Jan 2011	Professor & Head Rajarshi Shau College of Engineering Pune	Teaching & Administration
Educational	21 July 1997 - 31 July 2008	Assistant Professor Army Institute of Technology Pune	Teaching
Educational	21 Aug 1996 - 19 July 1997	Assistant Professor AISSMS College of Engg Pune	Teaching
Educational	1 March 1990 - 20 Aug 1996	Lecturer D Y Patil College of Engg Pimpri Pune	Teaching

## Journal Publications

1. Gajanan R Patil, Vishwanath K Kokate, (2017). [A Joint Channel Estimation and Data Detection for a MIMO Wireless Communication System via Sphere Decoding](#). *Journal of Information Processing Systems*. 13(4), 1029-1042. ISBN/ ISSN No : ISSN 1976-913X (Print) ISSN 2092-805X (Electronic). URL : <https://doi.org/10.3745/JIPS.03.0033>.
2. G R Patil, (2016). [Arduino Based Fall Detection and Tracking of Elderly](#). *Imperial Journal of Interdisciplinary Research*. 3(4), 710-713. ISBN/ ISSN No : ISSN: 2454-1362. URL : <http://www.onlinejournal.in/IJIRV2I7/029.pdf>.
3. G R Patil, (2016). [Accident Detection And Messaging System Technology](#). *International Journal on Advance Engineering and Research Development*. 3(4), 710-713. ISBN/ ISSN No : e-ISSN : 2348-4470, p-ISSN : 2348-6406. URL : [http://www.ijaerd.com/papers/finished\\_papers/IJAERDV03I0513754.pdf](http://www.ijaerd.com/papers/finished_papers/IJAERDV03I0513754.pdf).
4. Gajanan R patil, Vishwanath K Kokate, (2015). [Joint Channel Estimation and Data detection for STBC MIMO-OFDM Wireless Communication System](#). *World Scientific Journal of Circuits, Systems and Computers*. 24(4), 10. ISBN/ ISSN No : ISSN (print): 0218-1266 | ISSN (online): 1793-6454. URL : <http://www.worldscientific.com/doi/abs/10.1142/S0218126615500590?src=recsys>.
5. Gajanan R patil, Prof. Vishwanath K Kokate, (2015). [An Investigation into Performance of MIMO Wireless Communication System with Semi-blind Channel Estimation](#). *International Journal of Wireless and Mobile Computing (Inderscience)*. 8(1), 51-58. ISBN/ ISSN No : ISSN-p: 1741-1084, ISSN-e:1741-1092. URL : <http://www.inderscience.com/info/inarticle.php?artid=66753>.

## Books

1. Dr. G R Patil, (2017). *Information Theory Coding and Communication Networks*. Nirali Publication. ISBN/ ISSN No : 978-93-87397-56-9.
2. Dr G R Patil, (2017). *Digital Communication*. Nirali Prakashan. ISBN/ ISSN No : 978-93.
3. Dr G R Patil, (2017). *Analog Communication*. Nirali Prakashan. ISBN/ ISSN No : 978-93-83750-97-9.
4. Dr G R Patil, (2016). *Data Structures and Algorithms*. Nirali Prakashan. ISBN/ ISSN No : 978-93-86084-11-8.

## Guest Lecture

1. Resource Person (Organized), Delivered lecture on "Information Theory & Coding" for TE(E&TC) students of PCCOER Pune, 2018, PCCOER Pune
2. Expert Lecture (Organized), Delivered Expert Lecture on Baseband Receiver, 2017, AISSMSIOIT

## Workshop

1. One day workshop on Promotion of Autonomous Colleges Scheme (Attended), Promotion of Autonomous Colleges Scheme, 2019, SPPU Pune
2. Workshop (Organized), Workshop on Computer Networks & Lab View, 2018, AIT Pune
3. FDP (Attended), TTT/FDP Telecom Technician –IoT device/system Certified Trainer, 2018, AIT Pune
4. STTP (Organized), Resource Person at AICTE ISTE Sponsored STTP on Analog Digital and Wireless Networks, 2017, Zeal COE Pune
5. Avishkar Judge (Attended), Judge of SPPU Avishkar 2017, 2017, AISSMS COE
6. Faculty Orientation Workshop (Organized), TE E&TC Revised Syllabus for ITCCN, 2017, AIT Pune
7. FDP (Attended), One Week AICTE Sponsored FDP on Best Practices in Engineering Colleges: From Quality to Excellence, 2017, COE Pune
8. FDP (Attended), FDP on Learner Centric Approach, 2017, AIT Pune

## Research Grants

Title Of Project	Funding Agency	Duration	Sanctioned Amount	Role of Investigator	
AICTE PMKVY Grant	AICTE	01/02/2018	30/06/2018	300000.00	Principal Investigator
3DPLM Lab Set up	3DPLM	01/07/2016	30/09/2017	1100000.00	Principal Investigator

Study and Implementation of MIMO based Wireless Communication System	BCUD SPPU Pune	01/08/2013	31/12/2015	140000.00	Co-Investigator
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### Consultancy

Title Of Project	Funding Agency	Duration	Sanctioned Amount	Investigator Role
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### Professional Memberships

Society	Membership No	Duration
IEEE	92165031	01/01/2011 31/12/2019
ISTE	LM9189	01/01/1991 31/12/2027

No of PhD Students Guided : 0

No of PG Students Guided : 2