

## STAFF PROFILE



**Dr. Gajanan Rangarao Patil**

Professor

Electronics & TeleCommunication

hodetc@aitpune.edu.in

*Date of Joining*  
14/01/2011

*Nature of Appointment*  
Regular

### Educational Details

Qualification	Degree	University	Grade	Year
Doctoral	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

### Areas of Interest

### Experience Details

Total : 28.90 years	Teaching : 28.90 years	Research : 0.00 years	Industry : 0.00 years
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Type	Duration/ Period	Designation/ Organisation Name	Brief Job Profile
Educational	1.50 Years 7 Jun 2016 - till date	Professor & Head Army Institute of Technology Pune	
Educational	0.40 Years 1 Feb 2016 - 6 June 2016	Professor Army Institute of Technology Pune	
Educational	5.00 Years 14 Jan 2011 - 31 Jan 2016	Associate Professor Army Institute of Technology Pune	Teaching
Educational	2.50 Years 1 Aug 2008 - 13 Jan 2011	Professor & Head Rajarshi Shau College of Engineering Pune	Teaching & Administration
Educational	12.00 Years 21 July 1997 - 31 July 2008	Assistant Professor Army Institute of Technology Pune	Teaching
Educational	1.00 Years 21 Aug 1996 - 19 July 1997	Assistant Professor AISSMS College of Engg Pune	Teaching
Educational	6.50 Years 1 March 1990 - 20 Aug 1996	Lecturer D Y Patil College of Engg Pimpri Pune	Teaching

### Journal Publications

- Gajanan R Patil, (2019). [Design and Implementation of Robust Navigation System Platform for Autonomous Mobile Robot](#). *International Journal of Engineering and Advanced Technology (IJEAT)* 9(2), 1346-1349. ISBN/ ISSN No : 2249 – 8958. URL : <https://www.ijeat.org/wp->

[content/uploads/papers/v9i2/B2373129219.pdf](https://www.ijer.in/content/uploads/papers/v9i2/B2373129219.pdf).

- 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>.
- 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>.
- 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).
- 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>.
- 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

- Dr G R Patil, (2020). *Information Theory & Coding*. Nirali Prakashan. ISBN/ ISSN No : 978-93-.
- Dr. G R Patil, (2017). *Information Theory Coding and Communication Networks*. Nirali Publication. ISBN/ ISSN No : 978-93-87397-56-9.
- Dr G R Patil, (2017). *Digital Communication*. Nirali Prakashan. ISBN/ ISSN No : 978-93.
- Dr G R Patil, (2017). *Analog Communication*. Nirali Prakashan. ISBN/ ISSN No : 978-93-83750-97-9.
- Dr G R Patil, (2016). *Data Structures and Algorithms*. Nirali Prakashan. ISBN/ ISSN No : 978-93-86084-11-8.

## Guest Lecture

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

## Workshop

- FDP (Attended), Two Week Online Faculty Development Programme on Data Science for All, 2020, Online
- FDP (Attended), Two Week Online Faculty Development Programme on Machine Learning for Computer Vision, 2020, Online
- Summer FDPs (Organized), Machine Learning for Computer Vision, Advanced Optimization Techniques, Data Science for All, ICT tools for teaching & Learning, Python Programming, 2020, Online
- One Week FDP (Attended), ICT Tools for Teaching, Learning Process & Institutes, 2020, AIT Pune Remote Center IIITDM Jabalpur
- One Week FDP (Attended), VLSI Chip Design using open source EDA, 2019, Remote Center of ICT academy IIITDM Jabalpur
- FDP (Organized), Python Programming with Industry Perspective, 2019, AIT Pune Remote Center of ICT academy IIITDM Jabal
- One day workshop on Promotion of Autonomous Colleges Scheme (Attended), Promotion of Autonomous Colleges Scheme, 2019, SPPU Pune
- Workshop (Organized), Workshop on Computer Networks & Lab View, 2018, AIT Pune
- FDP (Attended), TTT/FDP Telecom Technician–IoT device/system Certified Trainer, 2018, AIT Pune
- STTP (Organized), Resource Person at AICTE ISTE Sponsored STTP on Analog Digital and Wireless Networks, 2017, Zeal COE Pune
- Avishkar Judge (Attended), Judge of SPPU Avishkar 2017, 2017, AISSMS COE
- Faculty Orientation Workshop (Organized), TE E&TC Revised Syllabus for ITCCN, 2017, AIT Pune
- FDP (Attended), One Week AICTE Sponsored FDP on Best Practices in Engineering Colleges: From Quality to Excellence, 2017, COE Pune
- FDP (Attended), FDP on Learner Centric Approach, 2017, AIT Pune

## Research Grants

Title Of Project	Funding Agency	Duration		Sanctioned Amount	Role of Investigator
AICTE MODROB Grant for Modernisation of Communication Engineering Lab in E&TC Dept	AICTE	03/12/2019	02/12/2021	1000000.00	Principal Investigator
AICTE MODROB Grant for Modernisation of Communication Engineering Lab in E&TC Dept	AICTE	01/03/2019	31/03/2020	828000.00	Principal 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

### Consultancy

Title Of Project	Funding Agency	Duration		Sanctioned Amount	Investigator Role
Grant for Coordinating FDP on Python Programming	E& ICT Academy IIITDM Jabalpur	02/12/2019	06/12/2019	900000.00	Principal Investigator

### Professional Memberships

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

### Achievements/ Contribution

Year	Details
2019	Received 1st Position as Mentor of the project presented in Chhatra Vishwakarma Award 2018 at the hands of Vice President of India

**No of PhD Students Guided** : 0      **No of PG Students Guided** : 2  
**No of PhD Awarded Students** : 0