

Personal Information:

Full Name – Dr. PRASHANT JAICHAND GAIDHANE

Date of Birth – 08 JUNE 1977

Designation - ASSOCIATE PROFESSOR (CAS) (INSTRUMENTATION DEPARTMENT)

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2 Educational Information:

Sr. No.	Education	University	Percentage	Passing year	Specialization	Special Honors
1	B.E.	D. BAMU, Aurangabad	63	1998	Instrumentation	
2	M.Tech	I.I. Sc. Bangalore	7.1/ 8.0	2009	Instrumentation	Distinction
3	Ph. D.	IIT Roorkee		May 2019	Control System	

3 Experience: a. Employment Record

Sr. No.	Organization / Institute	Designation	Working Period
1	Govt college of engg. Chandrapur	Assistant Professor	20/02/2002 to 15 / 10/ 2010
2	Govt college of engg. Jalgaon	Assistant Professor	15 / 10/ 2010 to till date

4 Subject Offered/ Taught:

Sr. No.	Course	Class	Branch	Subject
1	Instrumentation	Final	Instrumentation	Bio medical instrumentation
2	Instrumentation	Final	Instrumentation	Neural network and fuzzy logic control
3	Instrumentation	Second	Instrumentation	Automatic control system
4	Instrumentation	Third	Instrumentation	Microcontroller and application
5	Instrumentation	Third	Instrumentation	Analytical Instrumentation

5 Areas of Research / Interest:

Sr. No.	Research Area	Details	Grant Available
1	Artificial Intelligence, Fuzzy logic, Type II FLC Control System	--	--

6 Administrative Responsibilities:

- Worked as a

Sr. No.	Responsibility	Period	Organization
1.	Technical Registrar	2014-2015	GCOE, Jalgaon
2	BoS Member Secretary	2021	
3	Rector	2019-2021	
4.	Dean T and P, III	2014-2015	
5.	Sub nodal officer Procurement	2012-2015	
6.	Library In-charge	2013-2014	
7	HOD of Instrumentation Engineering	2010-2011	
8	Store Officer	2011-2012	
9	Vice President Gymkhana	2004-2007	GCOE, Chandrapur

b. Other responsibilities' held

7 Membership of Scientific and Professional Society:

Sr. No.	Organization	Type of membership	Membership details (no. & date)
1	ISTE	Life membership	
2	IISc Almuni association	Life membership	
3	IITR Almuni association	Life membership	

8 Consultancy and Sponsored Research Activities:**9 No. of Ph.D. and ME/M.Tech/M.Phill Guided:**

10. Journal publications

1. P. J. Gaidhane and M. J. Nigam, “A hybrid grey wolf optimizer and artificial bee colony algorithm for enhancing the performance of complex systems”, Journal of Computational Science , vol. 27, no. 7, pp. 284-302, July 2018. **SCI, IF. - 1.925.**
2. P. J. Gaidhane, M. J. Nigam, A. Kumar, and P. M. Pradhan , “Design of Interval Type- 2 Fuzzy Precompensated PID Controller Applied to Two-DOF Robotic Manipulator with Variable Payload”, ISA Transactions, vol. 89, pp. 169-185, Jun. 2019, **SCI, IF. - 3.370.**

Conference publications

1. P. J. Gaidhane, A. Kumar, and M. J. Nigam, “Tuning of two-DOF-FOPID controller for magnetic levitation system: A multi-objective optimization approach”, Computer Applications in Electrical Engineering-Recent Advances (CERA), 2017.
2. P. J. Gaidhane and M.J. Nigam, “Multi-Objective Robust Design and Performance Analysis of Two-DOF-FOPID Controller for Magnetic Levitation System,” pp. 1-6, 14th IEEE India Council International Conference (INDICON), 2017.
3. A. Kumar, P. J. Gaidhane, and V. Kumar “A nonlinear fractional order PID controller applied to redundant robot manipulator”, Computer Applications in Electrical Engineering Recent Advances (CERA), 2017
4. A. Kumar, V. Kumar, and P. J. Gaidhane, “Optimal Design of Fuzzy Fractional Order Controller for Redundant Robot”, Procedia Computer Science vol. 125, pp. 442- 448, 2018.

Can be seen at <https://scholar.google.co.in/citations?user=YLI9o3sAAAAJ&hl=en>

11 Details of Participation in Technical Activity:

a. Conferences/Seminars/Workshops

Sr. No.	Title	Organizing body	Venue	Duration
1	International Interactive workshop on “Effective academic leadership strategies”	ADCC Nagpur and SEGI University Malaysia	SEGI University , Kuala Lumpur, Malaysia	12 to 14 December 2013
2	Seminar on “ Understanding Jan 2013 format for NBA”	WCE Sangali	WCE Sangali	15 and 16 March 2013
3	Workshop On “ 21 st Century Outcome Based Engineering Education”	Engineering Staff College Of India, Hyderabad	Engineering Staff College Of India, Hyderabad	03 to 05 Jun 2013

b. STTP

Sr. No.	Title	Details Of Organizing Body	Venue	Duration	Job Responsibility
1	Emerging Trends In Engg. & Technology	NITTTR & JGIET, Jaipur	JGIET, Jaipur	22/5/06 to 26/5/06	Participation
2	Digital Control	IIT Mumbai	IIT Mumbai	20 June-24 June 2005	Participation
3	VHDL Approach For Digital System Design.	YCCE, Nagpur And ISTE	YCCE, Nagpur	2 nd June To 14 th June 2003	Participation
4	MEMS Technology	IIT Kanpur	IIT Kanpur	3/1/2011 To 8/1/2011	Participation
5	SDP ON " Induction Program Phase I"	NITTTR, Bhopal	NITTTR, Bhopal	23/05/2011 03/06/2011	Participation
6	SDP ON " Developing Learning Resources Using Digital Media"	NITTTR, Bhopal	NITTTR, Bhopal	02/01/2012 13/01/2012	Participation
7	SDP ON " Recent Advances In Nanosciences And Nanotechnology"	School Of Chemical Tech., NMU, Jalgaon	School Of Chemical Tech., NMU, Jalgaon	15/06/2012 30/06/2012	Participation
8	STC ON " Advanced Dsp Design Techniques "	IIT KHARAGPUR	IIT KHARAGPUR	27/06/2013 01/07/2013	Participation
9	Stochastic Modelling and optimal Control of Engineering Systems,	QIP Centre , IIT Roorkee	QIP Centre , IIT Roorkee	22.05.2017 to 26. 05. 2017,	Participation
10	MATLAB Fundamentals and Applications,	Govt. College of Engineering, Kalahandi	GCOEK	08.07.19 12.07.19	Participation
11	Biomedical Engineering, at	GCOE Jalgaon	GCOE Jalgaon	05.08.19 09.08.19	Participation
12	Finite Element Applications in Engineering	GCOE Jalgaon	GCOE Jalgaon	24.02.20 28.02.20	Participation
13	FDP on "Imaging Application through Matlab"	ICT Academy, IIT Roorkee,	IIT Roorkee	09-13 oct 2018.	Participation
14	"Faculty Development Program for Student Induction (FDP-SI) -	(AICTE).	Shri Mata Vaishno Devi University, Katra	5-7 March, 2020	Participation
15	"Sliding mode Control in Infinite –Dimensional Setting: Theory Extension and Applications".	Gian Course at IIT roorkee,	Gian Course at IIT roorkee,	07 to 11 November 2018.	Participation
16	Professional Development Programme for Sr. Academic cum Administrative Executives	TEQIP III	Indian Institute of Management Shillong	10.06.19 14.06.19, 01 week	Participation

12 Conference/Seminars/Workshop/STTP/CEP Organized:

Sr. No.	Title	Details of organizing body	Venue	Duration
1	One-Week Short Term Training Programme on "MATLAB: Fundamentals and Applications	Technical Education Quality Improvement Program- Phase III Coordinator Dr. P. J. Gaidhane	GCOE, Kalahandi	1st to 5th Jul 2019
2	International conference on Emerging Trends in engineering Science and Technology (ICETEST) 2021	Member- Technical Session and Technical Committee Session Chair	GCOE Jalgaon	6 th and 7 th Feb 2021.

13 Selections/Honors/Awards/Fellowship:

QIP fellowship for M.Tech at IISC Bangalore and for PhD. at IIT Roorkee,

14 Invited Talks as a Trainer/Faculty:

Sr. No.	Subject	Venue	Duration	Date of Talk
1	Biomedical Instrumentation	Trimurti Institute of Technology (Polytechnic)	11 am to 2 pm	10/08/2013
2	MATLAB applications in Soft computing	GCOE, Kalahandi	3 pm to 5 pm	4 th July 2019

15. Ph. D. Students:

Sr. No.	Name of student	Registration/ Enrollment Number and Date of registration	Topic
1.	Mohammed Mujtahid Mohammed Mohsin Ansari	PHD-2019-UGEKP6 21-01-2021	Analysis and Enhancing Power System Stability with High Penetration of Renewable Energy
2	Vijay Sitaram Pawar	PHD-2019-0PXF1Z 21-01-2021	Power Improvement in Grid Connected Photovoltaic System using Maximum Power Point Tracking Systems.
3	Nagesh Sakharan Pande	PHD-2017-ID5ZJR 10-12-2019	Addressing Challenges in Feeding Railway Platform Roof-top PV Generation to 25KV AC Overhead Traction

This is to certify that the above information furnished by me is true to the best of my knowledge.

Date:

Name and signature of faculty