

**Personal Information:**

Full Name – **Dr. PRASHANT JAICHAND GAIDHANE**

Date of Birth – **08 JUNE 1977**

Designation - **ASSOCIATE PROFESSOR (CAS) INSTRUMENTATION ENGG. DEPTT.,  
DEAN IQAC**

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[Dr. Prashant J. Gaidhane - Google Scholar](#),

[\(26\) Dr. Prashant Gaidhane | LinkedIn](#)

<https://sites.google.com/gcoe.ac.in/drpgaidhane/bio>



2 Educational Information:

Sr.no.	Education	University	Percentage	Passing year	Specialization	Special Honor
1	High School	Jawahar Novodaya Vidyalaya Sakoli		1987-1991		Selected on Merit basis
2	SSC	MSBSHSE	72.28	1992		
3	HSC	MSBSHSE	74	1994		
4	B.E.	D. BAMU, A' Bad	63	1998	Instrumentation	First Class
5	M.Tech.	I.I. Sc. Bangalore	7.1/ 8.0	2009	Instrumentation	Distinction
6	Ph. D.	I.I.T. Roorkee		May 2019	Control System	

3 Experience: a. Employment Record

Sr.no.	Organization / Institute	Designation	Working Period
1	Government College of Engg. Chandrapur	Assistant Professor Adhoc	13/08/2000 to 19 / 02/ 2002
2	Government College of Engg. Chandrapur	Assistant Professor	20/02/2002 to 15 / 10/ 2010
3	Government College of Engg. Jalgaon	Assistant Professor	15 / 10/ 2010 to 20/06/2014
4	Government College of Engg. Jalgaon	Associate Professor (CAS)	21/06/2014 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
6	Instrumentation	Final	Instrumentation	Instrumentation System Design
7	Open Elective	Third	Other	Introduction to Biomedical Instrumentation
8	ME ETC	FY and SY	ETC	Bio Medical Engineering

## 5 Areas of Research / Interest:

Sr.no.	Research Area	Details	Grant Available
1	Artificial Intelligence, Fuzzy logic	--	--
2	Control System		
3	Evolutionary Algorithms.		

## 6 Administrative Responsibilities:

- Worked as a

Sr.no.	Responsibility	Organization	Duration
1	Technical Registrar	GCOE Jalgaon	2014-2016
2	Rector	GCOE Jalgaon	2019-2024
3	Dean T and P, III	GCOE Jalgaon	2014-2015
4	Sub nodal officer Procurement	GCOE Jalgaon	2012-2014
5	Library In-charge	GCOE Jalgaon	2014-2015
6	In-charge HOD Instrumentation Dept.	GCOE Jalgaon	2010-2011
7	Vice President Gymkhana	GCOE, Chandrapur	2009-2010
8	Store Officer	GCOE, Jalgaon	2012-2013
9	Dean IQAC	GCOE, Jalgaon	2024 onwards
10	HoD Instrumentation	GCOE, Jalgaon	2010-11, 2022-2023

## b. Other responsibilities Held

Sr.no.	Responsibility	Organization	Duration
1	In charge FY admission	GCOE, Chandrapur	2004-2006
2	Exam In charge	GCOE, Chandrapur	2005-2006
3	Security Officer	GCOE Jalgaon	2019-2024
4	Head and member purchase committee	GCOE Jalgaon	2012-2024
5	Instrumentation BoS Chairman	GCOE Jalgaon	2022-2023
6	Instrumentation BoS Member secretary	GCOE Jalgaon	2019-2022
7	PhD Guide, Instrumentation Electrical	GCOE Jalgaon	2019-2024
8	Member Electrical BoS, KBCNMU	GCOE, Jalgaon	2019-2024

## 7 Membership of Scientific and Professional Society:

Sr.no.	Organization	Type of membership	Membership details (no. & date)
1	ISTE- Indian Society for Technical Education	Life membership	LM 36482 2003 onwards
2	IISc Bangalore Alumni association	Life membership	2009 onwards
3	IITR Roorkee Alumni association	Life membership	2019 onwards
4	SAEINDIA: Society of Automotive Engineers INDIA	member	2025 onwards

## 8 Consultancy and Sponsored Research Activities:

Year	Type of Consultancy	Organization
2022	Open Gym Equipment inspection and audit	DSO Dhule
2023	Open Gym Equipment 4 Units inspection and audit	DSO Dhule
	Conveyor Screening machine inspection and audit	Municipality region Muktainagar
	Street Light and Light Shifting inspection and audit	Municipality region Jamaner
	Electrification work inspection and audit	Municipality region Chopda
	Electrification work inspection and audit	Municipality region Jamaner
	Electrification work inspection and audit	Municipality region Jamaner
	CCTV implementation Inspection and audit	Municipality region Raver
	CCTV implementation Inspection and audit	Municipality region Jamner
2024	Electrification work inspection and audit	Municipality region Deola
	Electrification work inspection and audit	Municipality region Jamner
	Electrification work inspection and audit	Municipality region Jamner
2025	Laser mapping and water fountain show inspection and audit	Municipality region Jamner
	Desting, Jetting, and Suction Machine inspection and audit	Municipality region Pimpalner
	LED street light inspection and audit	Municipality region Pimplaner
	Air Quality monitoring System	Bhusawal
	Electrification work and Solar street Light	Municipality region Bhadgaon
	Electrification work and Solar street Light	Municipality region Bhadgaon
	Electrification work and Solar street Light, rooftop	Municipality region Nandura

Sr. No.	Name of the Research Scholar PhD	Subject	Topic of Research	Registration Number and Date of registration	Current Status
1	Shirish Govind Adam	IN	Performance Enhancement Of Complex Control Systems Using Soft Computing Techniques	PHD-2021-KYAMQZ 14-10-2022	Permitted for Synopsis Presentation
2	Nitin Mahadeo Khandare	EE	Enhancement Of System Protection Through Discrimination Of Inrush Currents And Fault Currents Of Transformer	PHD-2021-X87OAL 14-10-2022	Submitted 4 <sup>th</sup> Progress Seminar
3	Mohammed Mujtahid Mohammed Mohsin Ansari	EE	Analysis And Enhancement Of Power System Stability Due To High Penetration Of Renewable Energy	PHD-2019-UGEKP6 21-01-2021	Submitted 4 <sup>th</sup> Progress Seminar
4	Nilesh Suresh Mahajan	EE	Optimal Design Of Demand Side Energy Management For Hybrid Energy Storage System	PHD-2021-6032LE 14-10-2022	Submitted 4 <sup>th</sup> Progress Seminar
5	Satish Shivnarayan Kabra	EE	An Efficient Hybrid Approach For Power Quality Improvement In Grid Tied PV Based EV Charging Station	PHD-2021-1ROEDG 1-12-2022	Submitted 4 <sup>th</sup> Progress Seminar
6	Vijay Sitaram Pawar	EE	Optimal Power Quality Enhancement Of Solar Photovoltaic Integrated Into Grid Using Hybrid Technique	PHD-2019-0PXF1Z 21-01-2021	Submitted 4 <sup>th</sup> Progress Seminar
7	Nagesh Sakharam Pande (Co-Guide )	EE	A Dynamic Real Time Interphase Power Flow Technique Of Railway Platform Roof Top Solar Power Interface With 25 KV Oh Traction	PHD-2017-ID5ZJR 10-12-2019	Permitted for Synopsis Presentation
8	Deepa Pralhadrao Yavalkar (Co-Guide )	EE	Analysis Of Power Quality Issues In Distribution Systems And Its Mitigation Measures	PHD-2021-KYAMQZ 14-10-2022	Submitted 6 <sup>th</sup> Progress Seminar

**10. Publications:** [All publications can be seen on](#)

[Dr. Prashant J. Gaidhane - Google Scholar](#),

<https://scholar.google.com/citations?user=YLI9o3sAAAAJ&hl=en>

SN	Paper Details
1	Design of interval type-2 fuzzy precompensated PID controller applied to two-DOF robotic manipulator with variable payload P. J. Gaidhane et al. ISA Transactions Volume 89, June 2019, Pages 169-185; <a href="https://doi.org/10.1016/j.isatra.2018.12.030">https://doi.org/10.1016/j.isatra.2018.12.030</a> Elsevier IF <b>6.5</b> , Scopus, Web of Science (SCIE) <b>Q1</b>
2	A hybrid grey wolf optimizer and artificial bee colony algorithm for enhancing the performance of complex systems P. J. Gaidhane, M. J. Nigam Journal of Computational Science Volume 27, July 2018, Pages 284-302; <a href="https://doi.org/10.1016/j.jocs.2018.06.008">https://doi.org/10.1016/j.jocs.2018.06.008</a> Elsevier IF <b>3.7</b> , Scopus, Web of Science (SCIE) <b>Q2</b>
3	Optimal design of fuzzy fractional order PI $\lambda$ D $\mu$ controller for redundant robot A. Kumar, V. Kumar, P. J. Gaidhane Procedia Computer Science Volume 125, 2018, Pages 442-448 <a href="https://doi.org/10.1016/j.procs.2017.12.058">https://doi.org/10.1016/j.procs.2017.12.058</a> Elsevier IF <b>4.1</b> , Scopus, Web of Science (SCIE) <b>Q2</b>
4	A nonlinear fractional order PID controller applied to redundant robot manipulator A Kumar, PJ Gaidhane, V Kumar 2017 6th International Conference on Computer Applications In Electrical Engineering, pg 527-532. <a href="https://doi.org/10.1109/CERA.2017.8343385">https://doi.org/10.1109/CERA.2017.8343385</a> IEEE; Scopus
5	Preference Oriented Multi-Objective Optimization for Tuning of Controllers: A Reference Point Based Approach P. J. Gaidhane, M. J. Nigam 2019 5th International Conference on Signal Processing, Computing and Communication <a href="https://doi.org/10.1109/ISPCC48220.2019.8988458">https://doi.org/10.1109/ISPCC48220.2019.8988458</a> , IEEE Scopus
6	Multi-objective robust design and performance analysis of two-DOF-FOPID controller for magnetic levitation system P. J. Gaidhane, M. J. Nigam 2017 14th IEEE India Council International Conference (INDICON), Roorkee, India, 2017, pp. 1-6, <a href="https://doi.org/10.1109/INDICON.2017.8487724">https://doi.org/10.1109/INDICON.2017.8487724</a> , IEEE, Scopus
7	Tuning of two-DOF-FOPID controller for magnetic levitation system: A multi-objective optimization approach, P. J. Gaidhane et al. 2017 6th International Conference on Computer Applications In Electrical Engineering, Pages 479-484, Publisher <a href="#">IEEE</a> ; <a href="https://doi.org/10.1109/CERA.2017.8343377">https://doi.org/10.1109/CERA.2017.8343377</a> IEEE, Scopus
8	Artificial bee colony optimized precompensated interval type-2 fuzzy logic controller for a magnetic levitation system A Kumar, PJ Gaidhane, V Kumar Recent Trends on Type-2 Fuzzy Logic Systems: Theory, Methodology and Applications (Book Chapter), vol 425,. pages 43-56, <a href="https://doi.org/10.1007/978-3-031-26332-3_4">https://doi.org/10.1007/978-3-031-26332-3_4</a> Springer, Scopus (Book Ser.) Web of Science Conference Proceedings Citation Index (CPCI)

9	<p>Tuning of interval type-2 fuzzy precompensated PID controller: GWO-abc algorithm based constrained optimization approach P. Gaidhane et al. Recent Trends on Type-2 Fuzzy Logic Systems: Theory, Methodology and Applications. Studies in Fuzziness and Soft Computing, vol 425. Springer, Cham, Pages 75-96 Springer Scopus (Book Ser.)</p>
10	<p>Performance Enhancement of Magnetic Levitation System Using GWO-ABC Tuned High-Dimensional Robust Controller S. Adam, P. Gaidhane Soft Computing: Theories and Applications: Proceedings of SoCTA 2022 (Book Chapter) <a href="https://doi.org/10.1007/978-981-19-9858-4_43">https://doi.org/10.1007/978-981-19-9858-4_43</a> Springer; Scopus (Book Ser.)</p>
11	<p>The Enhanced Robotic Trajectory Tracking by Optimized Fractional-Order Fuzzy Controller Using GWO-ABC Algorithm P. J. Gaidhane, S. Adam Soft Computing: Theories and Applications: Proceedings of SoCTA 2021 (Book Chapter) <a href="https://doi.org/10.1007/978-981-19-0707-4_55">https://doi.org/10.1007/978-981-19-0707-4_55</a> Springer, Scopus (Book Ser.)</p>
12	<p>Connection and Control Strategy for Direct Injection of Railway Platform Rooftop Solar Power into Traction Network Nagesh Pande<sup>1</sup>, Dr. Atul Phadke<sup>2</sup>, Dr. Prashant Gaidhane International Journal of Innovations in Engineering and Science, www.ijies.net Vol. 6, No. 10, 2021, PP. 65-72 <a href="https://doi.org/10.46335/IJIES.2021.6.10.14">https://doi.org/10.46335/IJIES.2021.6.10.14</a> ISSN: 2456-3463 UGC Care</p>
13	<p>A Comprehensive Review on Demand Side Management in Renewable Energy Systems: Optimization Approaches and Challenges. N. S. Mahajan, P. J. Gaidhane Journal of Electrical Systems ESR Groups 0.18, Scopus Q4</p>
14	<p>The Potential of Demand Response Management in Shaping the Future of energy Systems: A Study on empowering the Grid. Nilesh Mahajan and P J Gaidhane</p>
15	<p>A Comprehensive Review of Virtual Inertia Control strategies for Highly Penetrated Renewable Energy Sources. M. Ansari and P. J. Gaidhane 2025 Third International Conference on Microwave, Antenna and Communication (MAC) IEEE</p>
16	<p>A Dynamic Real Time Interphase Power Flow Technic Of Railway Platform Roof-Top Solar Power Interface With 25 Kv Oh Traction. P. Nagesh S, P. Atul R, G. Prashant J Industrial Engineering Journal IEJ, UGC care</p>
17	<p>A Dynamic real time interphase power flow technique of railway platform rooftop solar power interface with 25 kV OH Traction P. Nagesh S, P. Atul R, G. Prashant J International Journal of Research and Analytical Reviews (IJRAR), 2024 IJRAR June 2024, Volume 11, Issue 2, pages 626-631. Peer reviewed journal.</p>
18	<p>Review of Soft Computing Approach to Examine the Effect of the Feed Temperature on the Steady-state Temperature in the Reactors. SG Adam, P. Gaidhane The Indian Journal of Technical Education, Vol 46, Dec 2023, Pg 173-180. IJTE, UGC care</p>

19	<p>A Rational Cooperative Foraging Based Grey Wolf Optimizer P. J. Gaidhane et al. Lecture Notes in Networks and Systems, vol 1136. Springer, Cham. pp 412–428. <a href="https://doi.org/10.1007/978-3-031-70789-6_34">https://doi.org/10.1007/978-3-031-70789-6_34</a> Springer, Scopus (Book Ser.)</p>
20	<p>Influence of Glucose on Cardiac Pacemaking Electrophysiology through Potassium Ion Channel Biophysics: A Computational Study Chitaranjan Mahapatra, Shirish Adam, Prasant Gaidhane 2024 IEEE 21st India Council International Conference (INDICON), Kharagpur, India, 2024, pp. 1-5, <a href="https://doi.org/10.1109/INDICON63790.2024.10958412">doi: 10.1109/INDICON63790.2024.10958412</a>.</p>
21	<p>Review of Soft Computing Technique to Find the Steady State Temperature in a Reactor SG Adam, P. Gaidhane The Indian Journal of Technical Education, Vol 48, Feb2025, Pg 29-34 IJTE, UGC care</p>
22	<p>A resilient approach for optimizing power quality in grid integrated solar photovoltaic with asymmetric 15-level inverter V. S. Pawar, P. Gaidhane Computers and Electrical Engineering Volume 116, May 2024, Pages109-211 <a href="https://doi.org/10.1016/j.compeleceng.2024.109211">https://doi.org/10.1016/j.compeleceng.2024.109211</a> Elsevier IF7.1, Scopus, Web of Science (SCIE) Q1</p>
23	<p>State of Art Review on Maximum Power Point Tracking, Power Quality and Control Strategies for Solar Photovoltaic System V. S. Pawar, P. Gaidhane National conference organized by AISSM pune</p>
24	<p>A Review of Control Algorithms and Inverters used in DSTATCOM D P Yawalkar, P J Gaidhane and others. The Indian Journal of Technical Education, Vol 48, Feb2025, Pg 211-218 IJTE, UGC care</p>
25	<p>Differentiation Between Inrush and Fault Currents in Transformers to Avoid Malfunctioning of Protection Scheme. Nitin Mahadeo Khandare Dr. P J Gaidhane Journal of Information Systems Engineering and Management Vol. 10 No. 38s (2025), Page 421 - 429 <a href="https://doi.org/10.52783/jisem.v10i38s.6865">https://doi.org/10.52783/jisem.v10i38s.6865</a> Journal of Information Systems Engineering and Management, IF 0.8 Elsevier, Scopus</p>
26	<p>Discrimination of Inrush Current and Fault Currents In Transformer By Prony Analysis Method Nitin Mahadeo Khandare Dr. P J Gaidhane International Journal of Innovations in Engineering and Science Vol. 9, No. 4, 2024, PP. 13-19 <a href="https://doi.org/10.46335/IJIES.2024.9.4.3">https://doi.org/10.46335/IJIES.2024.9.4.3</a> Innovative Scientific Publication</p>
27	<p>A Review On Inequity Between Inrush Currents And Internal Fault Currents Of Transformer Nitin Mahadeo Khandare Dr. P J Gaidhane International Journal of Electrical and Electronics Engineers Vol 15, Issue no.2, 111-118, Jul dec 2023.</p>
28	<p>Stability Enhancement by Virtual Inertia Control Strategies for Renewable Energy Integration: A Comprehensive Review</p>

	M. Ansari and P. J. Gaidhane The Indian Journal of Technical Education, Vol 48, Feb2025, Pg 98-105 IJTE, UGC care
29	A simplified model of an interval type-2 takagi-sugeno fuzzy PID controller using one-dimensional input space R Raj, A Kumar, P Gaidhane Recent Trends on Type-2 Fuzzy Logic Systems: Theory, Methodology and Applications (Book Chapter) Volume 425. Pages 15-28, Springer Cham. <a href="https://doi.org/10.1007/978-3-031-26332-3_2">https://doi.org/10.1007/978-3-031-26332-3_2</a> Scopus (Book Ser.),
30	Fractional Order Notch Filter for Power Quality Enhancement in Grid-Integrated Solar Photovoltaic with Quasi Z-Source Multilevel Inverter Dr. P J Gaidhane Vijay Sitaram Pawar International Journal of Interdisciplinary Innovative Research & Development Vol 10, issue 1, 2025, 561-571 <a href="https://zenodo.org/record/16309424">10.5281/zenodo.16309424</a> Knowledge Consortium Publication

## 11 Details of Participation in Technical Activity:

Sr.no	Title	Organizing body	Venue	Duration
1	Workshop on “Curriculum Development in Electronics Engineering- Need of the Hour”	Department of Electronics and Computer Engineering, BDCOE Sewagram	BDCOE Sewagram, Wardha	29 <sup>th</sup> April 2002
2	Workshop on “Procurement and PMSS training”	SPFU, TEQIP-II, Chandigarh with NPIU	Chandigarh.	16 <sup>th</sup> March 2012
4	TEQIP –II Sponsored State level conference on “Curriculum Development -2012”	Govt. College of Engineering, Jalgaon	GCOE, Jalgaon	6 <sup>th</sup> to 7 <sup>th</sup> Oct 2012
5	Seminar on “ Understanding Jan 2013 format for NBA”	WCE Sangali	WCE Sangali	15 <sup>th</sup> to 16 <sup>th</sup> March 2013
6	Workshop On “ 21 <sup>st</sup> Century Outcome Based Engineering Education”	Engineering Staff College Of India, Hyderabad	Engineering Staff College Of India, Hyderabad	03 <sup>rd</sup> to 05 <sup>th</sup> Jun 2013
7	International Interactive workshop on “Effective academic leadership strategies”	ADCC Nagpur and SEGI University Malaysia	SEGI University , Kuala Lumpur, Malaysia	12 <sup>th</sup> to 14 <sup>th</sup> December 2013
8	QIP Workshop on “Experiments for Robotics Class”	DMIE, IIT Roorkee	IIT Roorkee	13 <sup>th</sup> Feb 2016
9	Workshop on “ Modelling, Optimization and simulation of Stochastic Systems”	DoM, IIT Roorkee	IIT Roorkee	26 <sup>th</sup> Nov 2016.
10	Training workshop on “Reference Management Software- Mendeley”	MGCL, IIT Roorkee	IIT Roorkee	28 <sup>th</sup> Jan 2017
11	International Conference on “Computer Applications in Electrical Engineering-Recent Advances”	EE, IIT Roorkee	EE, IIT Roorkee	5 <sup>th</sup> to 7 <sup>th</sup> Oct 2017
12	International Conference “INDICON-2017”	IIT Roorkee	IIT Roorkee	15 <sup>th</sup> to 17 <sup>th</sup> Dec 2017
13	Workshop on “ Research Fundamentals: Innovation and Entrepreneurship”	SRIC, IIT Roorkee	IIT Roorkee	13 <sup>th</sup> to 14 <sup>th</sup> Oct 2018

14	International Conference on “ Signal Processing, Computing and Control”	DoEC, JUIT Solan	JUIT Solan	10 <sup>th</sup> to 12 <sup>th</sup> Oct 2019.
15	International Conference on “Emerging Trends in Engineering Science and Technology” as Session Chair, Member Technical Session	TEQIP GCOE Jalgaon	GCOE Jalgaon	6 <sup>th</sup> to 7 <sup>th</sup> Feb 2021
16	Workshop on “Internship program for DTE students”	DTE and IIT Bombay	IIT Mumbai.	12th to 13th May 2023

#### b. STTP Participated

Sr.No.	Title	Details Of Organizing Body	Venue	Duration
1	2 week Summer School on “VHDL Approach for Digital System Design.”	AICTE STTP and ISTE	YCCE, Nagpur	2 <sup>nd</sup> to 14 <sup>th</sup> June 2003
2	QIP STC on “Digital Control”	QIP, IIT Mumbai	IIT Mumbai	20 <sup>th</sup> to 24 <sup>th</sup> June 2005
3	STP on “Emerging Trends in Engineering & Technology”	NITTTR & JGIET, Jaipur	JNIT, Jaipur	22 <sup>nd</sup> to 26 <sup>th</sup> May 2005
4	2 week SDP on “FPGA & its Industrial Applications”	AICTE & Dept. of Instrumentation	CoEP Pune	7 <sup>th</sup> to 18 <sup>th</sup> June 2010
5	STC on “Micro Scale Engineering”	Dept. of Mech. Eng.	IIT Kanpur	3 <sup>rd</sup> to 8 <sup>th</sup> Jan 2011
6	2 week SDP on "Induction Program Phase I"	NITTTR, Bhopal	NITTTR, Bhopal	23 <sup>rd</sup> May to 3 <sup>rd</sup> June 2011
7	2 week SDP on "Developing Learning Resources Using Digital Media"	NITTTR, Bhopal	NITTTR, Bhopal	2 <sup>nd</sup> to 13 <sup>th</sup> Jan 2012
8	2 week AICTE SDP on "Recent Advances in Nanoscience and Nanotechnology"	School of Chemical Technology, NMU, Jalgaon	SCT, NMU, Jalgaon	15 <sup>th</sup> to 30 <sup>th</sup> June 2012
9	STTP on “Advances in Signal and Image Processing (ASIP)”	TEQIP Cell and Instrumentation Dept.	GCOE, Jalgaon	26 <sup>th</sup> to 30 <sup>th</sup> Nov 2012
10	STTP on “Recent Trends in Computer Networking (RTCN)”	TEQIP Cell and Instrumentation Dept.	GCOE, Jalgaon	3 <sup>rd</sup> to 7 <sup>th</sup> Dec 2012
11	STC on “Advanced DSP Design Techniques”	IIT Kharagpur	IIT Kharagpur	27 <sup>th</sup> June to 01 <sup>st</sup> July 2013
12	STTP on “Leveraging the Expertise of Technical Teaching”	TEQIP Cell and ETC Dept.	GCOE, Jalgaon	16 <sup>th</sup> to 21 <sup>st</sup> Sep 2013
13	STTP on “Mathematical and Statistical Approaches in Engineering Applications (MSAEA-2013)”	TEQIP Cell and Applied Science Dept.	GCOE, Jalgaon	26 <sup>th</sup> to 30 <sup>th</sup> Dec 2013
14	STTP on “Computational and Statistical Methods Applied in Engineering”	TEQIP Cell and Civil Dept.	GCOE, Jalgaon	7 <sup>th</sup> to 11 <sup>th</sup> July 2014
15	AICTE STC on “Optimization and Game Theory: From Basic to Latest trends”	QIP, IIT Mumbai	IIT Mumbai	15 <sup>th</sup> to 19 <sup>th</sup> June 2015

16	STC on “Modelling and Control of Robots”	Dept. of Mech. & Industrial Engg.	QIP Centre, IIT Roorkee	11 <sup>th</sup> to 15 <sup>th</sup> July 2016
17	STC on “Stochastic Modelling and Optimal Control of Engineering Systems.”	Dept. of Mathematics	QIP Centre, IIT Roorkee	22 <sup>nd</sup> to 26 <sup>th</sup> May 2017
18	AICTE STC on “Research Skills and Methods in Computational Sciences with Engineering Applications.”	AICTE sponsored QIP STC by Dept. of Applied Sci. and Engg. Management	QIP Centre, IIT Roorkee	12 <sup>th</sup> to 16 <sup>th</sup> June 2017
19	FDP on “Imaging Application through MATLAB”	Electronics and ICT Academy, IIT Roorkee,	IIT Roorkee	09 <sup>th</sup> to 13 <sup>th</sup> Oct 2018.
20	STC on “Sliding mode Control in Infinite –Dimensional Setting: Theory Extension and Applications”.	GIAN Course at IIT Roorkee	GIAN Course at IIT Roorkee	07 <sup>th</sup> to 11 <sup>th</sup> Nov 2018.
21	“TEQIP-III Professional Development Programme for Senior Academic cum Administrative Executives”	TEQIP III	Indian Institute of Management Shillong	10 <sup>th</sup> to 14 <sup>th</sup> June 2019
22	STTP on “MATLAB Fundamentals and Applications”	TEQIP-III cell GCOEJ and GCOEK	GCOE Kalahandi	08 <sup>th</sup> to 12 <sup>th</sup> July 2019.
23	TEQIP-III STTP on “Biomedical Engineering”	TEQIP Cell and ETC Deptt.	GCOE, Jalgaon	05 <sup>th</sup> to 09 <sup>th</sup> Aug 2019
24	“Faculty Development Program for Student Induction (FDP-SI) -	(AICTE).	SMVDU Katra	5 <sup>th</sup> to 7 <sup>th</sup> March, 2020
25	E-training FDP on “Artificial Intelligence and Machine Learning”	TEQIP-III, IIT Indore	Online by IIT Indore	07 <sup>th</sup> to 17 <sup>th</sup> Dec 2020
26	“Refresher Training Programme for Class-I Officers of Higher & Technical Education Department”	YASHADA, Pune	YASHADA, Pune	03 <sup>rd</sup> to 07 <sup>th</sup> March 2025

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	1 <sup>st</sup> to 5 <sup>th</sup> Jul 2019
2	International Conference on “Emerging Trends in Engineering Science and Technology” as	TEQIP GCOE Jalgaon Participated as a Session Chair and Member Technical Session	GCOE Jalgaon	6 <sup>th</sup> to 7 <sup>th</sup> Feb 2021

## 13 Selections/Honors/Awards/Fellowship:

Sr.no.	Title	Organization	Duration
1	Maharashtra Scholarship (4 <sup>th</sup> Standard onwards)	Bhandara Dist. Education deptt.	1985-9188
2	Selection in Navodaya Vidyalaya (6 <sup>th</sup> std to 9 <sup>th</sup> std.)	JNV Dist. Bhandara	1987-1991
3	Qualified GATE Instrumentation in	2000 (82%), 2001(86.01%), 2002(91.91%)	2000-2002
4	QIP fellowship for M.Tech	Instrumentation Dept. IISC Bangalore	2007-2009
5	QIP fellowship for PhD	ECE Dept. IIT Roorkee,	2016-2019
6	Best Paper of the Conference	IIIT Kota, Rajasthan, SOCTA 2021	17- 19 Dec 2021

## 14 Invited Talks as a Trainer/Faculty:

Sr.no.	Subject	Venue	Duration	Date of Talk
1	Resource Person in Biomedical Instrumentation	Trimurti Institute of Technology (Polytechnic)	11 am to 2 pm	10 <sup>th</sup> Aug 2013
2	Resource Person in MATLAB applications in Soft computing	GCOE, Kalahandi	3 pm to 5 pm	4 <sup>th</sup> July 2019
3	Resource Person in AICTE Training And Learning (ATAL) Academy FDP on "Type-1 and Type-2 Fuzzy Logic and Its Applications"	Indian Institute of Information Technology Kota	06/12/2021 to 10/12/2021	2 sessions on 10/12/2021
4	Resource Person in Foundation of MATLAB: Exploring Tools for Engineering and Fin Tech.	IQAC Cell and Department of Electr.& Comp. Engg.KCES's CoEM , Jalgaon	03-02-2025 to 08-02-2025	4 sessions on 8/02/2025

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