

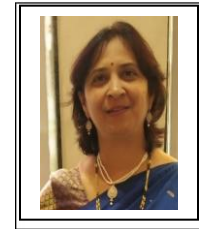


Department of Electrical Engineering

Faculty Profile

Prof.(Dr)A A Godbole

PhD (Electrical Engineering)
Professor and HOD



✉ aagodbole@aiissmscoe.com
electrical.hod@aiissmscoe.com

☎ (020) 26058587; Extn: 1501

🔗 <https://scholar.google.co.in/citations?user=P1-c0s8AAAAJ&hl=en>

🔗 <https://www.linkedin.com/in/ashwini-godbole-53970412b/>

Research Areas / Areas of Interest

Control of uncertain systems using disturbance estimation techniques

Personal Details

Date of Birth : 30 / 09 / 1971

Domicile: Maharashtra

Gender : Female

Blood Group: A+ve

Contact Details: 79, Saikrupa society, Shridharnagar, Pune-411043

Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph.D.	Electrical Engineering	DIAT,Pune	--	October 2012
2	M.E.	Control Systems	COEP,SPPU Pune	Distinction	June 1996
3	B.E.	Electrical Engineering	COEP,SPPU Pune	Distinction Rank 5	June 1993

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	23	00
2	Research	03	00
3	Industry	01	00
4.	Others	--	--
Total		27	00

Subjects / Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	Fundamentals of Microcontroller and Its applications	UG	SE	03
2	Power Electronics	UG	TE	04

3	Control systems II	UG	BE	04
3	Research Methodology	PG	FYME (PED)	05
4	Advanced Control systems	PG	SYME (PED)	05

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	06	06	-	03	05
Conferences	-	08		06	--

Publication Details (Journals)

S. No	Document Details	Authors	Year	Source Details	ISBN/ ISSN	Publisher
1	Robust Roll Autopilot Design for Tactical Missiles,	S. E. Talole, A. A. Godbole, J. P. Kolhe and S. B. Phadke	2011	AIAA J. of Guidance, Control, and Dynamics	Vol. 34, No. 1, Jan-Feb, 2011, pp. 107-117.	AIAA
2	Extended State Observer-based Robust Pitch Autopilot Design for Tactical Missiles	A. A. Godbole, Libin, T. R., and S. E. Talole,	2012	Proc. IMechE, Part G: J. of Aerospace Engineering, 226,1482-1501	DOI: 10.1177/0954410011426397	IMEChE
3	Performance Analysis of Generalized ESO in Tackling Sinusoidal Disturbances,	A. A. Godbole, Jayawant P. Kolhe, and S. E. Talole	2013	IEEE Transactions on Control Systems Technology	Vol. 21, No. 6 DOI: 10.1109/TCST.2012.2231512	IEEE

4	Extending the Operating Range of Linear Controller by Means of ESO	A. A. Godbole, and S. E. Talole	2011	Communications in Computer and Information Science, Springer Berlin Heidelberg	Vol. 250, 2011, pp. 44-49	Springer
5	Z Source Inverter fed Induction Motor	A. J. Mehta, A. A. Godbole	2015	Electrical India	Vol 55, No.12, 2015, pp 38-41	Electrical India
6	Design and Performance Analysis of Linear Synchronous Motors for Emals	Vipul Dabre, Nikhil Joshi, A A Godbole, Arbind Kumar	2015	IE Journal,	Vol 29, ISBN No : 978-81-924990-3-1, pp 176-181	IE Journal
7	Speed control of PMSM using disturbance observer	AA Apte, VA Joshi, RA Walambe, AA Godbole,	2016	IFAC papers online	Vol. 49, No.1, pp 308-313	Elsevier
8	Uncertainty and Disturbance Estimator Based Sliding Mode Control of 2nd Order System,	D.D. Bhavarkar, A. A. Godbole, A.A.A Apte	2017	IJECS	ISSN 2348-117X, Vol. 6, No. 7	IJECS
9	Disturbance Observer based Higher Order Sliding Mode Control of IMDU Plant	Akshay V. Shebe and Ashwini A. Godbole	2019	JASC	ISSN NO: 1076-5131, Vol. VI, No. 1, pp 2747-2752	JASC
10	Fuzzysmc based Speed Control of BLDC Motor	P. B. More, A. A. Godbole	2019	IJERT	ISSN: 2278-0181, Vol. 8, No. 12, pp 314-318	IJERT
11	Hardware Implementation of Fuzzysmc based Speed Control of BLDC Motor,	P. B. More, A. A. Godbole,	2020	IJERT,	ISSN: 2278-0181, Vol. 9, No. 3, pp 687-691	IJERT

12	Wireless Power Charging -A new trend for Electric Vehicle Charging	Vishal Gaikwad, Dr. Ashwini A Godbole	2021	Suraj Punj Journal For Multidisciplinary Research	ISSN NO: 2394-2886	Suraj Punj Journal For Multidisciplinary Research
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Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organised by
1.	Extending the Operating Range of Linear Controller by means of ESO	A. A. Godbole and S. E. Talole	2011	Proc. Of the International Conference on Control, Communication and Power Engineering CCPE 2011, 07-08 November Pune, India, pp. 43-48.		CCPE
2	Robust Feedback Linearization Approach to Pitch Autopilot Design	Ashwini A. Godbole and S. E. Talole	2011	Proc. Of the International Conference on Control, Robotics, and Cybernetics	Vol. 1, 21-23 New Delhi, pp. 76-80	
3	Chopper Based Closed Loop Speed Control Of DC Motor	A.Kosare, A.A.Godbole	2015	First International Conference on Computing, Communication, Electrical, Electronics, Devices Signal Processing		Sunflower College, Tamilnadu
4	Disturbance Observer Augmented Sliding Mode Control for Mismatched Uncertain System	A. A. Godbole, A.Ambreen	2016	IEEE 2 nd International Conference on Communication, Control and Intelligent Systems	pp 153-158	IEEE
5	Robust Control of Industrial Mechatronic Drive Unit System	A. A. Godbole, A.Ambreen	2016	ICACDOTS, I2IT, Pune		IIIT

	with Generalized Extended State Observer					
6	Uncertainty and Disturbance Estimator Based Control methodology for Speed Control of PMSM Drives	Dipti Bhawar, A. A. Godbole	2018	International Conference On Advances in Communication and Computing Technology (ICACCT) Feb 8-9, pp 415-419		IEEE Amrutvahini College of Engineering, Sangamner, Ahmednagar, India.
7	Higher Order Sliding Mode Control with Disturbance Observer for Mismatched Uncertain System.	Akshay Vilas Shebe, A.A Godbole, Almas Ambreen	2019	ICICCS, Madurai		IEEE, Vaigai COE, Madurai
8	Coordinated Design of Damping Controllers using Grey Wolf Optimization Algorithm	Manoj Kumar Kar, A A Godbole, Ruchika Meshram, Pranali A Krishna, Shivam V Patil and Rohan S Sonawane	2023	International Conference on Signal Processing and Integrated Networks		IEEE conference

PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	-	10	40

Awards/Recognition

- ❖ National Merit Scholarship at S. S. C. level
- ❖ Received Maratha Chamber of Commerce award for securing highest marks in Switchgear and Protection in B.E.
- ❖ University Rank 5 in 'B.E.' (Electrical) Pune University merit list.
- ❖ Reviewer for reputed International Journals like IEEE,ASCE, Imech, Springer and conferences
- ❖ Member BOS Electrical Engineering SPPU (2017-2022)
- ❖ Member R and R committee SPPU

Professional Memberships

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)	Membership No.
ISTE	National	Life	LM26543
IE	National	Fellow	F-124574-7

Details of Workshop / STTP / FDP / Seminar / Conferences Organized

S. No	Title	Type	Duration	Level (State/National/ International)	Sponsoring Agency
01	Power Electronics	Workshop	2 Days	State	SPPU
02	Solar-Thermal Systems	Workshop	2 Days	State	SPPU
03	Electric Vehicle	FDP	1 week	National	AICTE
04	TE syllabus revision	Workshop	1 Day	University Level	SPPU

Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level(National/Int/ State/Regional)	Date
1	COEP	Application of ESO for designing robust autopilots for missiles	National	6-10 March 2013
2	COEP	Latex Workshop	college	18 Feb 2020

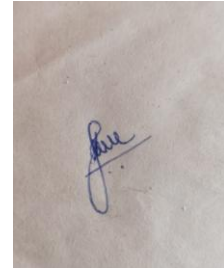
Details of Workshop / STTP / FDP / Conferences Attended

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
1	NBA Accreditation and Teaching Learning	FDP	12 weeks	Swayam	IISc Bangalore
2	Embedded System Design	FDP	8 weeks	Swayam	IIT Roorkee
3	Introduction to power electronics		3 weeks	Coursera	Coursera
4	Vision-Mission-PEO-PSO-PO-CO: Framing, Mapping, Assessment and Attainment	FDP	10-15 June 2019	AISSMS College of Engg, Pune	ISTE
5	Moodle	Work shop	1 week	IIT Powai	IIT Powai

Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
1	Worked as NBA Coordinator, BVDU COE, Pune
2	Currently working as HOD, Electrical Department, AISSMS COE, Pune Member GB, IQAC, CDC committees at AISSMS COE, Pune, Member BOS, SPPU, R and R committee, SPPU

Declaration: I hereby declare that all the statement made above are correct to the best of my knowledge and belief.

A photograph of a handwritten signature in blue ink on a light-colored, possibly paper, surface. The signature is stylized and appears to be 'A. Godbole'.

Dr A A Godbole