



**AISSMS**  
**COLLEGE OF ENGINEERING**

ज्ञानम् सकलजनहिताय  
Accredited by NAAC with "A+" Grade



## Department of First Year Engineering

### Faculty Profile



#### Prof. Santosh H Lavate

ME E&TC (Microwave)

PhD (Pursuing)

Assistant Professor

✉ [shlavate@aissmscoe.com](mailto:shlavate@aissmscoe.com)

[lavate.santosh@gmail.com](mailto:lavate.santosh@gmail.com)

☎ (020)26058587;

- <https://www.linkedin.com/in/santosh-lavate-b08baa21a>
- <https://scholar.google.com/citations?user=85wlanAAAAAJ&hl=en&oi=ao>

#### Research Areas / Areas of Interest

Wireless Communication, Internet of Things, Power Electronics

#### Personal Details

**Date of Birth :** 30/05/1983

**Domicile:** Maharashtra

**Gender :** Male

**Blood Group:** B+ve

**Contact Details:** Flat No 705, Nilesh Samrudhhi, Near Simply city, Handewadi Road  
Hadapsar, Pune – 411 028



### Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph.D.	Wireless Communication	Pune	--	(Pursuing)
2	ME (E&TC)	Microwave	Pune	1 <sup>st</sup>	July 2014
3	BE	Electronics	SRTMU, Nanded	1 <sup>st</sup>	June 2007

### Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	14	00
2	Research	--	--
3	Industry	--	--
4.	Others	--	--
<b>Total</b>		<b>14</b>	

### Subjects / Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE)	No of times Subject Taught
1	Basic Electronics Engineering	UG	FE (Common)	04
2	Electrical Circuits and Machines	UG	SE (E&TC)	04
3	Power Electronics and Applications	UG	TE (E&TC)	04
4	Power Electronics	UG	TE (E&TC)	04
5	Electrical Circuits	UG	SE (E&TC)	02
6	Feedback Control System	UG	TE (E&TC)	02



## Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
<b>Journals</b>		02			Yes
<b>Conferences</b>	01	03			Yes

## Publication Details (Journals)

S. No	Document Details	Authors	Year	Source Details	ISBN/ ISSN	Publisher
1	A Quick Browsing System with Image Enhancement for Surveillance Videos	S H Lavate & et.al.	2013	International Journal of Engineering and Innovative Technology (IJEIT)	ISSN: 2277-3754 ISO 9001:2008 Certified	International Journal of Engineering and Innovative Technology (IJEIT) Volume 2, Issue 9.
2	IOT Based Mid-Day Meal Monitoring System	S H Lavate & et.al.	2019	International journal For Scientific Research and Development (IJSRD)	International journal For Scientific Research and Development (IJSRD) Paper ID: IJSRDV7140548	International journal For Scientific Research and Development (IJSRD)

**Publication Details (Conferences)**

<b>S. No</b>	<b>Document Details</b>	<b>Authors</b>	<b>Year</b>	<b>Conference Details</b>	<b>Organised by</b>
1	Implementation of Two-Dimensional Image Result Analysis Using Artificial Neural Networks with the Counter propagation Method	S H Lavate & et.al.	2021	IEEE, International Conference on Emerging Smart Computing and Informatics (ESCI) 2021	IEEE section Pune in association with AISSMS IOIT Pune
2	Enhancing the Convergence Speed and Accuracy of Particle Swarm Optimizers through Adaptive Learning	S H Lavate & et.al.	2022	IEEE, International Conference on Emerging Smart Computing and Informatics (ESCI) 2022	IEEE section Pune in association with AISSMS IOIT Pune
3	An Analytical Review on Classification of IoT Traffic and Channel Allocation Using Machine Learning Technique	S H Lavate & et.al.	2023	IEEE, International Conference on Emerging Smart Computing and Informatics (ESCI) 2023	IEEE section Pune in association with AISSMS IOIT Pune

**PhD / ME / BE Student Guided for Project**

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	-	-	06

**Professional Memberships**

Professional Body	Level ( National/ International)	Type (Fellow/Life/Annual)	Membership No.
Indian Society for Technical Education	National	Life Member	LM /132836
IEEE	International	Member	97484067

**Patents / IPR Filed / Granted**

S. No	Investigator Details	Title	Year	Status (Filed/Granted)	Details
1					

**Books Published**

S. No	Title	Name of the Publisher	ISBN/ISSN Number

**Research Grants Received**

S. No	Program	Duration	Funding Agency	Grant Amount

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

S. No	Title	Type	Duration	Level (State/National/International)	Sponsoring Agency
01					

**Contribution as Resource Person**

S. No.	Place/ Organization	Topic	Level(National/Int/ State/Regional)	Date



## Details of Worshop / STTP / FDP Attended

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
1	Emerging Trends in RF & Microwave Engineering	<b>One week STTP</b>	24 to 28 Nov 2009  <b>(One Week)</b>	by Saraswati College of Engineering, Kharghar, Mumbai	ISTE & Engineering Education Foundation, Pune
2	Faculty Orientation Workshop (Sub:Power Electronics)	FOW	15 to 17 May 2013	by AISSMS College Of Engineering, Pune	SPPU Pune
3	Faculty Development/Orientation Program (Sub: Computer organization)	FOW	02 to 07 Dec 2013  <b>(One Week)</b>	Under the aegis of BOS (Electronics Engg) SPPU	SPPU Pune
4	Faculty Development/Orientation Program (Sub: Electrical Machines and Power Devices)	FOW	12 to 14 June 2014	Under the aegis of BOS (Electronics Engg) SPPU	SPPU Pune
5	Faculty Development/Orientation Program (Sub: Power Electronics)	FOW	11 to 13 Dec 2014	Under the aegis of BOS (Electronics Engg) SPPU	SPPU Pune
6	Faculty Development/Orientation Program (Sub: Electrical Circuit and Machines)	FOW	09 to 11 June 2016	Under the aegis of BOS (Electronics Engg) SPPU	SPPU Pune
7	Foundation program in ICT for Education <b>(FDP101x)</b>	STTP	(Two Week)  13 Sept 2018 18 Oct 2018	PMMMNMTT, MHRD, IIT Bombay	IIT Bombay
8	Pedagogy For Online and Blender Teaching-Learning Process <b>(FDP201x)</b>	STTP	(Two Week)  30 Oct 18 to 13 Dec 18	PMMMNMTT, MHRD, IIT Bombay	IIT Bombay



## Major Professional Responsibilities

S.No	Role and Responsibilities
1	

## Awards Received

S. No.	Awards
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**Declaration:** I hereby declare that all the statement made above are correct to the best of my knowledge and belief.



**Mr Santosh H Lavate**  
(Name with Signature)