



Department of Electronics & Telecommunication Engineering

Faculty Profile

Prof.S A Takalkar

ME (Electronics & Telecommunication Engineering)

Assistant Professor

✉ satakalkar@aismscoe.com

☎ (020) 26058587; Extn: 1616

🔗 <https://scholar.google.com/citations?user=B0hsEUYAAAAJ&hl=en>

🔗 <https://in.linkedin.com/in/smita-takalkar>



Research Areas / Areas of Interest

Embedded System, Internet of Thing, Data Science.

Personal Details

Date of Birth : 22 / 03 / 1988

Domicile: Maharashtra

Gender : Female

Blood Group: B+ve

Contact Details: Maple Woodz Society, Wagholi Pune

Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	ME.	VLSI & Embedded System- E&TC Engineering	Pune	Ist	Jun 2016
2	B.E.	E&TC Engineering	Pune	Ist	August 2012
3	Diploma	E&TC Engineering	MSBTE Mumbai	Distinction	May 2009

Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	9	3
2	Research	04	00
3	Industry	Nil	Nil
4.	Others	--	--
Total		9	3

Subjects / Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	VLSI Design & Technology	UG	BE(E&TC)	02
2	VLSI Design	UG	BE (Electronics)	03
3	Digital Electronics & Logic Design	UG	SE (IT)	02

4	Microcontroller and Application	UG	TE (E&TC)	01
5	Mini Project	UG	TE(Electronics)	02
6	Basic Electronics Engineering	UG	FE	02
7	Business Management	UG	TE(E&TC)	01
8	Business Management and Orgnization	UG	TE(Electronics)	01
9	Electronics System Design and Practices	UG	TE (Electronics)	03
10	Electronics System Design	UG	BE(Electronics)	01
11	Instrumentation System	UG	TE (Electronics)	01

Research Publications

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	--	8	01	00	03
Conferences	01	01	--	00	--

Publication Details (Journals)

S. No	Document Details	Authors	Year	Source Details	ISBN/ ISSN	Publisher
1.	"Android Application based on Vehicle Tracking System"	Prof. S. A. Takalkar	2019	Volume 5, Issue 4 in April 2019	ISSN 2395-1052.	IJSART
2.	In Real Time Reconfigurable Internet of Things (Iot)	Prof. S. A. Takalkar	2018	IJSART - Volume 4 Issue 3 - MARCH 2018	ISSN [ONLINE]: 2395-1052	IJSART

	Smart Water Quality Monitoring System					
3.	SMART CAMPUS RECRUITMENT Based On Android Application	Prof. S. A. Takalkar	2018	IJSART - Volume 4 Issue 4 – APRIL 2018	ISSN [ONLINE]: 2395-1052	IJSART
4.	Password Protected Multiuser Electronic Noticing System Using Gsm And Solenoid Lock	Prof. S. A. Takalkar	2018	IJSART - Volume 4 Issue 3 – MARCH 2018	ISSN [ONLINE]: 2395-1052	IJSART
5.	Biometric Attendance System Using Fingerprint Module	Prof. S. A. Takalkar	2018	IJSART - Volume 4 Issue 2 – FEBRUARY 2018	ISSN [ONLINE]: 2395-1052	IJSART
6.	Design & Implementation of Parallel Fir Digital Filter Structures for Symmetric Convolutions Based on Fast FIR Algorithm	Prof. S. A. Takalkar	2014	Vol. 3, ISSUE 1, September 2014	ISSN (Print): 2278 – 5698	IJACKD
7.	“Efficient Implementation of Parallel Linear Phase FIR Digital Filters for Symmetric Convolution	Prof. S. A. Takalkar	2015	Volume 3, Issue 3, Part-2,		IJERGS

	using Polyphase Decomposition,”					
8.	“Fast FIR Algorithm of Parallel FIR Digital Filter Structures for Symmetric Convolutions”,	Prof. S. A. Takalkar	2014	Volume 5, Issue 4, pp. 121-129,		IJECT

Publication Details (Conferences)

S. No	Document Details	Authors	Year	Conference Details	ISBN	Organised by
1.	“FPGA based Linear Phase Symmetric Convolution of Digital FIR Filter Structure for Poly phase Decomposition of Fast Non recursive Filter”,	Prof. S. A. Takalkar	2016	International Conference Advanced VLSI, Speech Processing	ISSN 1018-3639	GHRIET
2.	Area- Efficient of Parallel FIR Digital Filter Structures for Symmetric Convolutions Based on Fast FIR Algorithm”,	Prof. S. A. Takalkar	2014	e-PGCON-22 and Nov. 2014		SIT

PhD / ME / BE Student Guided for Project

Level	Ph.D.	M.E. (PG)	B.E. (UG)
No. of Student guided	---	---	20

Professional Memberships

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)	Membership No.
(ISTE)	National	Life	LM 109177
(IETE)	National	Life	M -SCA00440

Patents/IPR Filed/ Granted

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

Books Published

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

Research Grants Received

S.No	Program	Duration	Funding Agency	Grant Amount
1.	Nil	----	----	----

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

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

Contribution as Resource Person

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

Details of Workshop / STTP / FDP / Conferences Attended

S. N	Title	Type	Duration	Organizer	Sponsoring Agency
1	Advanced teaching tools and techniques	FDP	June 01- 05, 2020	AISSMS College of Engg, Pune	AICTE (TEQIP-III)
2	Innovative Teaching Pedagogy in the technical Institution	FDP	4 th -9 th November 2019	MVPs KBT COE,Nashik	AICTE
3	Research Methodology, Data Collection Methods, Research Tools and Technologies	FDP	9 TH June – 15 th June 2020	AISSMS Institute of Information Technology , Pune	AICTE
4	Vision-Mission-PEO-PSO-PO-CO: Framing, Mapping, Assessment and Attainment	FDP	10-15 June 2019	AISSMS College of Engg, Pune	ISTE
5	Digital Transformation	STTP	11 th June- 13 th June 2020	AISSMS College of Engg, Pune	
6	Modern Technologies and Self Development	FSDP	8 th June – 11 th June 202	AISSMS College of Engg, Pune	
7	"Environmental Sustainability and Green Energy"	FDP	29th June to 3rd July 2020	GW CET, Nagpur.	
8	Promoting Quality Culture in Technical Institutions	FDP	25 th May – 29 th May 2020	AISSMS College of Engg, Pune	IQAC Under UGC Paramarsh

					Scheme
9	"ELECTRIC VEHICLE: IT's PERSPECTIVES & ISSUES"	FDP	19th August to 21st August 2020	AISSMS College of Engg, Pune	
10	Success and You	FSDP	28th August to 29th August 2020	AISSMS College of Engg, Pune	
11	Data Science	FDP	17-22nd June 2019	Faculty development center Shivaji University and AISSMS COE	
12	Rubrics and Data Science	FDP	June 2019	AISSMS COE	
13	Virtual Labs	works hop	18th July 2020	IIT Bombay and AISSMS COE	
14	"Cyber Security and Data science	FDP	11-17 February 2019	AISSMS IOIT	
15	Effective Teaching	STTP	15 July to 19 July 2019	AISSMS COE	
16	Modern Pedagogy and Recent Technological Developmen	FDP	10-14 December, 2018	AISSMS COE	

Major Professional Responsibilities Handled

S. No.	Role and Responsibilities
1	NBA Criteria I: Vision, Mission and Program Educational Objectives
2	GFM and Mentor
3	Student Achievement Activity like project presenetation , Engineering Today events, Drone and Robotics Competitions etc
4	Student Activity like NPTEL, Coursera, Automation Anywhere, other courses Collected certificates and Updated in the folder
5	e-Newsletter
6	Department 13th Engineering Today Event Co-ordinator 2018

7	NSS Camp:Malwandi dhore-kamshet, Jan.2020 regarding Cleanness activities on fort.
8	NSS Residential camp Ruler village, Pune 12/01/2020 to 13/01/2020
9	Career Counselling
10	Industrial Visit In-Charge

Awards Received

S. No.	Awards
	Nil

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

Prof. S A Takalkar

(Name with Signature)