AISSMS
POLYTECHNIC
CENTER OF ACADEMIC EXCELLENCE
Approval by AICTE New Delhi, Recognized by the
Govt. of Maharashtra and Affiliated to MSBTE, Mumbai
NBA Accredited Programmes

Department of Computer Engineering

Faculty Profile

Dr. Sandhya Onkar Ahire

Ph.D. (Electronics& Communication Engineering)

lecture

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Mobile : 9975152810

Citations:

https://scholar.google.com/citations?hl=en&user=HVZXq5MAAAAJ

Linkdin: https://www.linkedin.com/in/dr-sandhya-ahire-30030b1b/

Research Areas/ Areas of Interest

Wireless Sensor Network , Computer Networking .

Personal Details

Date of Birth :	29/11/1984	**Domicile:**	Maharashtra
Gender :	Female	**Blood Group:**	B+ve
Contact Details:	The Landmark Society , Undri Pune -60		

Academic details

Sr. No.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph.D.	Electronics & Communication Engineering	University Of Technology Jaipur, Rajasthan	NA	Sept-2023
2	M.E.	VLSI and Embedded System	Savitribai Phule Pune University	Distinction	May 2015
3	B.E.	Electronics Engineering	Savitribai Phule Pune University	First Class	Aug-2006

Work Experience

Total : 18 years (Teaching : 17 , Others 1 year)

Subject / Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE/TE/BE)	No of times Subject Taught
1	PLC's & Automation	UG	BE (E&TC)	01
2	Data Structures And algorithms	UG	SE(E&TC)	01
3	Industrial Management	UG	TE(E&TC)	01

4	Business Management	UG	TE(E&TC)	01
4	Power Electronics	UG	TE(E&TC)	02
5	Analog Communication	UG	SE(E&TC)	01
6	Electronics Skill development	UG	SE(E&TC)	01
7	Electrical Circuits and Machines	UG	SE(E&TC)	01
8	Wireless Network	UG	BE(E&TC)	01
9	Mechatronics	UG	TE(E&TC)	03
10	Renewable Energy Systems	UG	BE(E&TC)	01
11	Mini Project	UG	TE(E&TC)	01
12	Project-based Learning	UG	SE(E&TC)	01
13	Computer Network and Security	UG	BE(E&TC)	01
14	Computer Network	UG	TE(E&TC)	02
15	Network Security	UG	TE(E&TC)	02
16	Digital Marketing	UG	BE(E&TC)	01

Subject / Courses Taught : Diploma Eng.

S. No.	Subject	Diploma Class (FY/SY/TY)	No of times Subject Taught
1	Management	TY (E&TC)	06
2	Electronics Circuits and design	SY(E&TC)	01
3	Biomedical Instrumentation	TY (Instrumentation)	05
4	Analytical Instrumentation	TY (Instrumentation)	05
5	Environmental Studies	TY (E&TC)	02
6	Fundamentals Of ICT	FY(ME/AE)	01
7	Environmental Studies	TY(CO)	01
8	Capstone Project Planning	TY(CO)	01
9	Capstone Project Execution and report	TY(CO)	01
10.	Gui Application Development	SY(CO)	01
11	Management	TY (E&TC)	01
12	Entrepreneurship Development	TY (E&TC)	01

Research Publication

	National	International	State	SCI/ Scopus Indexed	UGC Approved
Journals	0	10	00	5	7
Conferences	0	02	00	0	--
Patents	01	-	-	-	-

Total Publications: 24, Patents: 01, Books: 01

BE/Diploma Students Guided For Final year Project

Level	B.E. (UG)	Diploma
No. of Student guided	38	46

Professional Membership

Professional Body	Level (National/ International)	Type (Fellow/Life/Annual)	Membership No.
IETE	National	Fellow	M 501992
ISTE	National	Life Member	LM 116754
BES	National	Fellow	AM -2977

Patents/ IPR Filed Details

S. No	Investigator Details	Title	Year	Status (Filed/Grante d)
01	Mrs. V.k. Patil Dr. P. B. Mane ,Dr. H. D. Shinde,Dr. Sandhya O. Ahire, Dr. Vidya Patil	Grain and Seed Sorting Machine	2023	Design no. 398239-001 on Date 22/10/2023 .

Book Published

S. No	Title	Name of the Publisher	ISBN/ISSN Number
01	Time Series Analysis and Forecasting	Nirali	9789361092473

Details Of Workshop/STTP/FDP/Seminar /Conference/Competition Organized

S. No	Title	Type	Duration	Level (State/National/ International)	Sponsoring Agency
01	Virtual Session Chair of ESCI 2023(5th IEEE Conference) hybrid mode	Conference	1-3 March-2023	International	IEEE
02	FDP on " Emerging Trends in 5G Technology-Enabled Education	FDP	2nd May to 4th May, 2023	National level	PMA /AISSMS IOIT Pune
02	FDP on Digital Creativity Skills	FDP	16 Feb 2023	National	AICTE's Training and Learning (ATAL) Academy AISSMS IOIT
03	FDP on Digital Creativity Skills	FDP	11 Aug 2023	National	AICTE's Training and Learning (ATAL) Academy AISSMS Polytechnic

04	Technical coordinator for Faculty orientation Workshop TE E&TC revised syllabus 2019 course	Workshop	26 July 2021 - 28July 2021	Local	BOS SPPU
05	Technical Coordinator For Simulation and Co-Simulations of RF Modules using CST Studio Suite 2020	Webinar	30 Oct 2021	Local	IEEE Communication Society Pune section in association with NBN Sinhgad School of Engineering, Pune
06	Technical Coordinator of GPS System and Inertial Navigation With Live Marking Of Satellites By Pravin Raybole	Webinar	26 Nov 2021	Local	IEEE Communication Society Pune section in association with NBN Sinhgad School of Engineering, Pune
07	Technical Coordinator of Network Simulator Tool for Computer communication Networks	Webinar	21 Aug 2021	Local	IEEE Communication Society Pune section in association with NBN Sinhgad School of Engineering, Pune
08	Session coordinator for IETE National level project Competition 2021	Project Competition	19 Jun 2021	National	IETE Pune section &MIT , G.H raisoni Engg. ,AISSMS IOIT, JSPM Wagholi
09	ESCI 2022 Special Session coordinator	Conference	9 to 11 Mar 2022	International	IEEE

S.N	Title	Type	Duration	Organizer	Sponsoring Agency
10	Faculty Coordinator For 'IETE STUDENTS DAY'	Webinar	1 feb 2022	Local	IETE, Pune Section /AISSMS IOIT

Details Of Workshop/STTP/FDP/Seminar /Conference attended

S.N	Title	Type	Duration	Organizer	Sponsoring Agency
1	IoT & It's Applications	FDP	04/01/2024 to 05/01/2024	AISSMS Polytechnic	ISTE Faculty Chapter
2	AI in Engineering	FDP	30/10/2023 31/10/2023	AISSMS Polytechnic	MSBTE
3	Digital Creativity Skills	FDP	11/08/2023	AISSMS Polytechnic	Adobe express AICTE's Training and Learning (ATAL) Academy
4	Faculty Orientation Workshop B. E. (E&TC/Electronics) Revised Syllabus 2019C. Subject: Digital Marketing (Elective 6)	FDP	30/01/2023 to 01/02/2023	Dept. of E&TC Engineering, Zeal College of Engineering & Research, Narhe, Pune	BoS (E&TC) SPPU,
5	Stepping towards Problem and Project-based Learning	FDP	30/3/2023 & 31/3/2023	AISSMS IOIT	Centre of excellence in (PBL) at Vishwaniketan iMEET
6	Outcome Based Education (OBE	FDP	21/1/2023	AISSMS IOIT	Inpods India Pvt. Ltd.
7	Digital Creativity Skills	FDP	16/02/2023	AISSMS IOIT	Adobe express AICTE's Training and Learning (ATAL) Academy
8	Amazon Web Services"	FDP	22/08/2022 to 27/08/2022	AISSMS IOIT	AICTE, Ministry of Education, India& BRAINOVISION SOLUTIONS INDIA PVT. LTD

9	Faculty Orientation Workshop on TE (E&TC) revised syllabus (2019),	FDP	31/01/2022 to 02/02/2022.	Dept. of E&TC Engineering, STES, Smt Kashibai Navale College of Engineering Pune	BoS (E&TC/ Elex.), SPPU
10	Project Based Learning	STTP	21/02/2022 to 26/02/2022	AISSMS COE, Pune	ISTE

Total   Workshop = 35+, Seminar = 15+   Conference= 7

Professional Responsibilities handled

S. No.	Role and Responsibilities
01	Work as Session coordinator International Conference on Emerging Smart Computing and Informatics ESCI 2020, ESCI 2021, ESCI 2022 at AISSMS IOIT Pune
	Work as Organizing Virtual session committee International Conference on Emerging Smart Computing and Informatics ESCI 2023
02	AISSMS IOIT Department level Website Coordinator (2+ Years)
03	AISSMS IOIT Department Level Internet Coordinator
04	Member of Academic Council (Autonomous institute , AISSMSIOIT)
05	AISSMS IOIT Department Level Webex Coordinator
06	Maintain record Files of NBA Criteria 2.2.2,3 & Criteria 9.3 ,NAAC 1.4.1,1.4.2
07	Work as GFM Academics E&Tc at AISSMS IOIT Pune
08	Work as reviewer of IEEE International Conference ESCI 2024
09	Design syllabus for Business accounting ,Industrial Management &Operation Research autonomous (E&TC) SPPU Pune
	Design syllabus value added Course : Value added course- Business Entrepreneurship Skill SPPU (E&TC) SPPU Pune
10	Subject chairman of various subjects appointed by BoS(E&TC) SPPU , Pune
11	Work As online session coordinator for NBA visit at E&Tc department from 4th to 6th February 2022.

Contribution

S. No.	Details
01	**Voluntary contribution as Academic council Secretary** for CTMS during Year 2022-23 Centre for Telecom Management & Studies Academic Council : CTMS voluntary contribution academic council 2022-23, Responsibility Academic Council CTMS Secretary of Dr. Madhuri Joshi(Retired Professor and Dean R & D at College of Engineering, Pune), Chairman_ Academic Council CTMS and Mr. Mohan Raju (the Vice President, Vertical Head IOT at Reliance Jio , Maharashtra, India) , Convener Of CTMS

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

Dr. S.O. Ahire