PROFILE

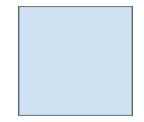**Mrs. USHMA SHAH**

Mob: – 09819255465

E-mail: ushma.shah@spce.ac.in

PROFESSIONAL QUALIFICATION

Sr. No.	Degree	Program/Specialisation	University	Year of Passing
1.	B.E./B.Tech.	Electronics	Mumbai Univ.	2002
2.	M.E./M.Tech.	Electronics and Telecommunication	Mumbai Univ.	2017
3.	Ph.D.	----		

EXPERIENCE

Sr. No.	Organisation	Duration
1.	SPCE	18 years
2.	Watumull College	1 year
3.	VJTI (Contractual appointment)	4 Semesters

PROFESSIONAL MEMBERSHIP

Sr. No.	Name of professional society	Membership ID
1 .	The Indian Institute For Technical Education	LM 52908

PAPERS PUBLISHED

International Journal

Sr. No.	Authors	Title of paper	Publisher	Year
1.				

International Conference

Sr. No.	Authors	Title of paper	Publisher	Year
1.				

National Journals

Sr. No.	Authors	Title of paper	Publisher	Year
1.				

National Conference

Sr. No.	Authors	Title of paper	Publisher	Year
1.				

WORKSHOP / COURSES ATTENDED

Sr. No.	Organizer	Title	Year
1.	Shri Sant Gajanan Maharaj College of Engg.	Image and Video Processing (one week)	2006
2.	Sardar Patel Institute of Technology	Fundamentals of Circuit Simulation (one Day workshop)	2008
3.	Sardar Patel Institute of	Electromagnetic Waves and its Applications	2009

	Technology	(one week)	
4.	Watumull Institute of Electronics Engg. and Computer Technology	Emerging Areas of Signal Processing and Communication (one week)	2010
5.	Xaviers Institute of Engineering	Advanced Image Acquisition, Processing and Applications (one week)	2013
6.	Flagship HR solutions Pvt. Ltd.	Workplace Motivation (two days workshop)	2013
7.	Sardar Patel Institute of Technology	Nanovolts to Gigahertz (one day workshop)	2013
8.	Sardar Patel College of Engineering	Inter Personal Skills and Management (one week)	2014
9.	MathWorks India	MATLAB and Simulink for Engineering Education (one day workshop)	2014
10.	Sardar Patel Institute of Technology	Electronic Systems and Design: From Devices to Applications (two weeks)	2015
11.	Xaviers Institute of Engineering	VLSI: Basic Concepts, Research Areas and Hands-on Practice (one week)	2015
12.	IIT Bombay	Simulation Tools in Electronics and Digital systems (one week)	2016
13.	Nirma University	Honing Research Publication Skills (two days)	2016
14.	Institute of Chemical Technology	Mentoring of Faculty of Technology and Engineering Institute (one week)	2016
15.	Sardar Patel Institute of Technology	Numerical Techniques in Engineering Research (one week)	2017
16.	Sardar Patel College of Engineering	Faculty Development Program (one week)	2018
17.	IIT Bombay	Practical Optimization	2020

		(one week)	
16.	**IIT Bombay**	**Digital Transformation in Teaching Learning Process** **(2 weeks)**	**2020**
17.	**Dumka Engineering College**	**Micro-Controller Based Embedded System Design** **(one week)**	**2020**
18.	**Xaviers Institute of Engineering**	**Data Science using 'R' for beginners** **(one week)**	**2020**
19.	**Sardar Patel College of Engineering**	**Design Thinking for Educators in the New Normal** **(3 days workshop)**	**2020**
20.	**Sardar Patel College of Engineering**	**Efficacy of Digital Pedagogy for Effective Online Teaching Learning** **(8 days)**	**2020**
21.	**IIT Indore**	**Artificial Intelligence and Machine Learning** **(10 days)**	**2020**

WORKSHOP / COURSES CONDUCTED

Sr. No.	Organizer	Title	Year
1.		**NIL**	

ONLINE COURSES

Sr. No.	Organizer (AICTE/ Swayam / NPTEL / Coursera)	Title	Year
1.	**Coursera**	**Programming for Everybody (Getting started with Python)**	**2020**

2.	Coursera	Python Data Structures	2020
3.	Swayam	Digital system design	2022
4.	Swayam	Teaching and Learning in Engineering (TALE)	2024
5.	Swayam	Design Thinking - A Primer	2024

CONFERENCE ATTENDED

Sr. No.	Organizer	Title	Year
1.		NIL	

CONFERENCE ORGANIZED

Sr. No.	Organizer	Title	Year
1.		NIL	

EVENTS ORGANIZED

Sr. No.	Organizer	Title	Year
1.	EESA	Workshops, Guest Lectures, Industrial Visits, Vidyut, Spectra, EESA Sports Cup, EESA Library	June 2012 to July 2015
2.	Electrical Dept.	Advanced Processors (one Day workshop)	2018
3.	Electrical Dept.	Introduction to Latex Software (one Day workshop)	2019
4.	Electrical Dept.	Neural Network workshop (one Day workshop)	2021
5.	Elite Coders Club	Introduction to Machine learning using python (one day workshop)	2023

6.	Elite Coders Club	Coding for Toy Problems (one day workshop)	2024

PROJECTS GUIDED

PG Level

Sr. No.	Title of project	Year	Status (Completed/ Ongoing)
1.	NIL		

Ph.D. Level

Sr. No.	Title of thesis	Year	Status (Completed/ Ongoing)
1.	NIL		

SUBJECTS TAUGHT

Sr. No.	Name of subject	UG/ PG
1.	Digital Electronics	UG
2.	Computer Architecture	UG
3.	Artificial Intelligence	UG & PG
4.	Computer Programming	UG
5.	Numerical Techniques	UG
6.	Electronic Instrumentation	UG
7.	Control System I	UG
8.	BEE II	UG

9.	Electrical Workshop	UG
10.	Communication Engineering	UG
11.	BEE I (in sharing)	UG
12.	Programming for Problem solving	UG

ACHIEVEMENT

Sr. No.	Type of achievement	Year
1.	Elite +Gold in Swayam course Digital System design	2022
2.	Elite + Silver in Swayam course Teaching and Learning in Engineering (TALE)	2024
3.	Elite + Silver in Swayam course Design Thinking - A Primer	2024

DEPARTMENTAL AND INSTITUTIONAL RESPONSIBILITIES

Sr. No.	Type of responsibility	Department / Institute	Year
1.	GATE Coordinator	Institute	April 2018 till date
2.	Time Table Committee Member	Electrical Dept.	June 2017 till date
3.	Project Committee	Electrical Dept	June 2017 to June 2019
4.	EESA Coordinator	Electrical Dept	June 2012 to July 2015
5.	Admission Committee	Institute	
6.	ICC committee	Electrical Dept	2018, 2019

7.	Maintenance Committee	Institute	Feb 2019 till date
8.	I/C TPO	Institute	July 2023 till Oct 2023
9.	Anti Ragging Committee	Institute	Feb 2023 till date
10.	Library Committee	Institute	Jan 2023 till date
11.	IDC committee	Institute	for period of incharge TPO

INDUSTRIAL TRAINING ATTENDED

Sr. No.	Organizer	Title	Year
1.		NIL	

INDUSTRIAL TRAINING ORGANIZED

Sr. No.	Organizer	Title	Year
1.		NIL	

EXPERT LECTURE CONDUCTED / ORGANIZED

Sr. No.	Organizer	Title	Year
1.	Electrical Dept.	16 and 32 bit Processors	2018, 2019, 2020
2.	Electrical Dept.	Semiconductor Memories	2020
3.	Electrical Dept.	Machine Learning and Applications of Artificial Intelligence	2021

FUNDED RESEARCH PROJECT

Sr. No.	Funding agency	Title	Sanctioned amount	Duration with dates	Status (Completed / ongoing)
1.		NIL			

REVIEWER

Sr. No.	Title of journal / conference	Year
1.	NIL	

CONSULTANCY / TESTING / THIRD PARTY AUDIT

Sr. No.	Organizer	Type of consultancy	Year
1.		NIL	