



Dr. Neeta Anilkumar Doshi

B.E., M.E., Ph.D.

Founder

ArtION Rain and Clean Enviro Technology Pvt Ltd

Area of Interest

VLSI, Artificial Rainfall, Applications of IONs

Academic / Industrial Experience

- Academic Experience: 24 years
- Industrial Experience: 01 years
- Research Experience: 10 years

Awards and Recognitions

- **Patent pending, Application number: 202121026283 , “Air Pollution controlling System”**
- **Validated the results for Air pollution for PM 2.5 in IIT Delhi Center Pollution Control Center, under process for other pollutants.**
- **Patent published for Fog Dispersion: 337415-001**
- **Awarded a cash prize of 1 Lac Rs by Women Entrepreneur and Empowerment (WEE) Foundation sponsored by NITI Aayog, DST, IIT Delhi, FITT Delhi, and IIT Bombay**
- **The solution for Deactivating the Corona Virus using Negative IONs- Selected for Hackathon (National level Competition to get real life solutions faced by the Society)**
- **Received Fellowship of Women Entrepreneurship Empowerment program (WEE), sponsored by NITI Aayog, IIT Delhi, IIT Bombay.**
- **Approved Ph.D. guide of Savitribai Phule Pune University**
- **First person in the world to analyze the IONs used as seeds to electrify the atmosphere to get artificial rain.**
- **Patent published “Innovative Portable ground operated Artificial Rainfall device”**
- **Pilot trials in Drought, Rain shadow and Catchment areas in Maharashtra**
- **Worked with IITM, Pune for Fog dispersion at Indira Gandhi International Airport- Delhi**
- **Invited as Speaker for 9th International conference on Electronics, Communications and networks (Oct, 18-21, 2019, Kitakyushu City, Japan).**
- **Awarded “Best Educationist Award” By ISC Delhi, Aug.18 2018.**

Dr. Neeta Doshi

- Invited as Chair/Speakers for the 9th World Gene Convection -2018, **Singapore**
- **Funds sanctioned 20 lakhs** by College of Engineering Pune, SVPM Sugar Factory Malegaon (BK) for Electrifying atmosphere with Artificial IONs seeding to catalyze precipitation to enhance the rain.
- Invited as a Chair/speaker by 7th International Conference on Electronics, Communications and Networks (CECNet2017, Nov.24-27, 2017, **National Dong Hwa University, Hualien, Taiwan**)
- Invited as a speaker by 5th World Conference of Agriculture 2017(WCA-2017) held in **Shenyang** during September 15-17.2017
- Invited as a speaker by BIT's Annual World DNA Day (WDD-2018) (life sciences conference) held on April 25-27, 2018 in **Dalian, China**
- Interviewed by **Wallstreet Magazine USA**, to know how lifelong learning process is implemented in rural Engineering College.
- Honored by the title “**Champions of change**” by **Wipro** for the way the engineering is taught.
- Passed the **Cambridge International Examination for teachers 2009**.
- **Dell Carnegie** certification for “**Presentation Skills**”
- Mission 10x workshop on – “**Advanced Skills**” by Wipro, Bangalore, Certified by **Cambridge University**
- **Felicited by Jeshtha Nagari Sangh-Baramati, Akhil Bhartiya Humad Samaj, Vir Seva Dal-Barsi, Daund, Sanmati Mandal-Baramati, Best Dial Baramati.**

Research

- Completed **Ph.D.** from Savitribai Phule Pune University in College of Engineering, Pune titled “*Feasibility study of Artificial Rainfall system using ION seeding by High voltage supply*” in April 2016.
- **Publications:** a. International Journal: 19
b. International Conference: 05
c. National Conference: 04
- **Reviewer for Journals / Conferences:**
 - Paper reviewer for Cenet 2019, Japan
 - Judge for ePEGCON , Savitribai Phule Pune University 2107
 - National Conference on NCETET, Malegaon (BK) March 2018
 - Judge for paper presentation-VERISMO-11, a National level paper presentation competition

Keynote Speaker

- “Challenges for Women Academicians and Entrepreneurs: Strategies to overcome”: Central University of Punjab
- “E&TC Engg and COVID opportunities “ Bharati Vidyapeeth Pune and SB Patil Indapur
- “Challenges in Engineering”, Kashti Engineering College
- “Career Counseling”, Baramati District colleges.
- “Career Women” Jain Shravika Mandal, Baramati, Natepute
- “Jainism-a Scientific view”, Veer Seva Dal, Baramati
- “A Journey-Housewife to Homemaker”: Saraswati School, Pandhare and Jain Shravika Mandal, Baramati

Entrepreneur Experience

- Selected for WEE (Women Entrepreneur and Empowerment) sponsored by NITI Aayog, DST, IIT Delhi, IIT Bombay (2019)
- Selected for Agritech Launch pad , Venture center Pune.(2021)

Selected Publications

1. **International Journal:** Neeta Doshi, Sudhir Agashe, - “*Feasibility study of artificial rainfall system using ion seeding from high voltage source (Simulation)*” **American International Journal of Contemporary Scientific Research**, Issue 3 AUG-SEP 2015 ,23494425 (Online)
2. **International Journal:** Neeta Doshi, Sudhir Agashe, - “*Feasibility study of artificial rainfall system using ion seeding with high voltage source*” **Journal of Electrostatics ELSEVIER**, Volume 74, April 2015, Pages 115-127.
3. **International Journal:** Neeta Doshi, Sudhir Agashe, - “*Modelling of ions for seeding technique to electrify the atmosphere*” - **Journal of Electrostatics ELSEVIER**, Volume 75, June 2015, Pages 19-26.
4. **International Journal:** Nita Doshi, S.D. Agashe, V. N. Patil, Ashish Jha, Amey Gaikwad, Nilesh Shinde – “*Ionization with Maxwell 2D*”, **International Journal of Electronics Communication and Computer Engineering** Volume 3, Issue
5. **International Journal:** Mrs Doshi N.A., Prof. Agashe S. D., Waqar Ahmed,- “*2D FEM Analysis of Poisson’s Equation and Charge Conservation Equation to Find the Value of Field Voltage for Corona Effect*”, **International Journal of Electronics Communication and Computer Engineering** volume 4, Issue 3, ISSN (Online): 2249071X, ISSN (Print): 22784209, page 946-949
6. **International Journal :** N.A. Doshi , S.D. Agashe, - “*Modelling Of Ions To Electrify The Atmosphere To Study The Feasibility Of Artificial Rainfall*” **AIJCSR** Volume 1 2014 Issue 3 AUG-SEP ISSN 2349 4425 www.americanij.com

7. **International Journal** : Taware Krushnali A, Dr.Doshi N A,-‘ *A Review on Reconfigurable Smart Sensor Interface*” International Journal of Innovative Research in Science, Engineering and Technology Vol. 6, Issue 3, March 2017 ISSN (Online) : 2319-8753 ISSN (Print) : 2347-6710 Pages 4673-4678
8. **International Journal:** Shital Atole , Dr. Doshi N A,-‘ *Survey on reliable high performance super multiplier with adaptive hold -logic for aging awareness*”, International Journal of Advance Research in Science and Engineering. Vol. 6, Issue 4, April 2017. (Online):2319-8354 ISSN (Print) : 2319-8346. Pages 106-114
9. **International Journal:** Sagar Ranaware, Dr.Doshi N A-‘ *Near-infrared Spectroscopy based Non-invasive Blood Glucose Level Prediction* “, International Journal of Electrical and Electronics Engineers, Vol.9,Issue No.01, January-June 2017.(Online): 2321-2045,Pages 974-979
10. **International Journal:** Taware Krushnali A, Dr.Doshi N A,-‘*Survey on a Reconfigurable Smart Sensor interface*”, International Journal of Advance Research in Science and Engineering. Vol. 6, Issue 4, April 2017 Online) : 2319-8354 ISSN (Print) : 2319-8346 Pages 99-105
11. **International Journal:** Sudharani Ashok Ghadage, Dr.Doshi N A.’ *IoT Based Garbage Management (Monitor and Acknowledgement) System: A Review.*” International Journal of Innovations & Advancement in Computer Science Volume 6, Issue 11 November 2017. ISSN 2347 – 8616 Pages 177-179
12. **International Journal** : Dr. Neeta A.Doshi,Pratiksha S. Jadhawar, Suraj S. Padmakar, Swati S.Shitole,’*Soil N-P-K Monitoring and Control System using FPGA: A Review*” ,International Journal of Electronics, Electrical and Computational System Volume 6, Issue 11 November 2017 Pages 66-69
13. **International Journal:** Dr. Neeta A.Doshi, Vaibhav A. Kulkarni, Kiran A. Kokane, Ganesh M.Satpute.”*Weather reporting System Using FPGA: A Review*” International Journal of Engineering Technology Science and Research Volume 4, Issue 11 November 2017. ISSN 2394-3386 Pages 319-320
14. **International Journal** : Dr Doshi N A Doshi, Swaranjali V. Kokare, Rutuja S. Kumbhar, Rutuja B. More ‘*Rescue from Bore Well Using Robotic System: A Review*” International Journal of Engineering Technology Science and Research Volume 4, Issue 11 November 2017. ISSN 2394-3386 Pages 321-323
15. **International Conference:** Sudharani Ashok Ghadage, Dr.Doshi N A.’ *IoT Based Garbage Management (Monitor and Acknowledgement) System: A Review.* **IEEE sponsored** : International Conference on Intelligent sustainable Systems(ICISS 2017) organized by SCAD Institute of technology on 7-8 Dec 2017 at Palladam, Tamil Nadu, India
16. **International Conference:** Doshi N A Presented International paper in Bangkok, held by **WASET** titled “*LFSR counter implementation in CMOS VLSI*” on 17-19 Dec 2008.

17. **International Conference:** Presented an International Paper in ICCNS-08, Held in Vishwakarma Institute of Technology- Pune title “*LFSR implementation in CMOS VLSI*” on 27-28 Sep 2008.
18. **International Conference:** Selected **three** International papers titled – “*Technical Overview of DDR/DDR2/DDR3*” – for WCSET, “*Hand vein Biometric Security System , for ECRS*”, “*Defending FPGA cloning for MWON*” — Bangkok 2008.
19. **National Conference:** Presented a National paper titled – “*OFDM implementation in VLSI*”, Imperial College of Research And Development, Pune 2007.

Project guidance

- IOT based Garbage Management System(Monitor and acknowledge) -Avishkar 2018
- Nano CMOS based Low Power Dual Modular Prescaler for Avishkar 2011, selected for final round of District level (2011)
- Selected for final round of District level (2008) and National level Project competition EUREKA (2009) held in Hyderabad Ultrasonic motor selected for Motorola Scholar Competition Bangalore, (2008)
- Low Power Comparator in CMOS VLSI for Avishkar -08,
- Two projects-Farming Recknor and -DRR Memory Controller in VLSI for Avishkar-07(An innovative national level project competition), selected for Semi-final District Level, (2007).
- National level paper presentation titled -VLSI Design-Won first prize at Walchand College of Engineering- Sangli (2007).

Academic Qualification

Degrees & Field	Department & University/College	Cit	Graduation	Majors(s) / Title of Thesis/Dissertation
Patent (Published) - 201621035567	Government of India	Pune	18/10/2016	Innovative portable ground operated Artificial Rainfall device
Ph.D.	Instrumentation and Control, Savitribai Phule Pune University, COEP	Pune	29/4/2016	-Feasibility study of Artificial rainfall system using ION Seeding with High Voltage source. First person in the world to analyze the IONs used as seeds to electrify the atmosphere to get artificial rain.
Master of Engineering (Electronics)	Electronics, Shivaji University, Walchand college of Engineering,	Sangli,	2/1/2003	VLSI Based Tele Trans Receiving System
Post Graduate Diploma in Computer Management	Computer, Shivaji University, KCTC	Solapur	23/6/1995	Inventory Control System

Dr. Neeta Doshi

Bachelor of Electronics Engineering.	Electronics, Shivaji University, Walchand Institute Of Technology	Solapur	12/7/1993	Temperature Controller using PID
Higher Secondary Certification Examination.	Pune Board	Barsi	20/3/ 1989	-
Secondary School Certificate Examination	Pune Board	Barsi	27/7/1987	-

Professional Affiliations

- Life member, Indian Society for Technical Education (ISTE)
- E Member- Microwind, Xilinx
- E-member- IEEE Colobratec (Mem No.95155730)

Responsibilities at Savitribai Phule Pune University

- Chairman for PG -ADCD, Digital CMOS - 2019, 2020
- Moderator for VLSI technology and Design 2019
- Flying Squad Member –SPPU 2017
- Judge for e-pex 2016 SPPU, PGCON –Project Exhibition
- Chairman of Paper setting -Network Theory (S.E-E&TC)- 2008,09,10,11
- Paper Setter of VLSI Design (B.E.- E&TC)-2007,08,14,15,16,18
- Paper setting -Network Theory (S.E-E&TC)- 2007
- Senior Supervisor for University Theory Examination in College of Engineering, Malegaon (BK)-2004
- Appointed as a group leader on behalf of University panel for explaining the Basic Electronic Engineering subject for First year.
- External and Internal examiner for University practical and oral exams for subjects- VLSI, Communication Lab, Lab Practice 1,2 (PG) , PG,B.E-(Seminar and project)

Responsibilities at SVPM COE Malegaon

- NAAC Coordinator 2018
- NBA Coordinator 2017-18,2018-19
- Electoral literacy club 2017-18
- Academic Dean-2016-17
- Chairman PG Admission (2015,16,17)
- Chairman Academic Audit committee 2016
- Presiding Officer ICC-Since 2016 and Nirbhaya Abhiyan
- Chairman Women grievance cell
- Member -Research Cell, IQAC cell
- Member -Local Management Committee (2015,16,17,18,19,20)

Dr. Neeta Doshi

- Chief Editor magazine 2015,16,17
- Coordinator and committee member of SVPM- National festival Chaitanya -07, A youth festival
- Cultural Coordinator - Chaitanya -08
- English section coordinator--SHIVKARMA-07 & SHIVKARMA-08.
- Coordinator –Vasundhara Vahini, Baramati.
- Committee member-Uniform for Ladies staff.
- Hosting and arrangement of Staff Development programs.
- Internal Audit coordinator for Computer and IT department.
- Coordinator of Ladies committee.

LANGUAGES KNOWN

- Hardware Description Language (VHDL)
- CMOS Layout (Microwind).
- LABVIEW (Graphical Interface)

PERSONAL DETAILS

NAME : Neeta Anilkumar Doshi.

HUSBAND'S NAME : Anilkumar Kishor Doshi.

SEX : Female

DATE OF BIRTH : 22nd February 1972

MARITAL STATUS : Married

LANGUAGES KNOWN : English, Marathi & Hindi

CORRESPONDENCE : Mrs. Neeta Anilkumar Doshi.

ADDRESS : F2, Shri Narayan Apartment, Opposite Railway Station, Near
MES School, Vijaynagar, Bhigwan road, BARAMATI, Dist. –
Pune , Maharashtra , Pin – 413102

Contact No : +91 9960246549, 9373930129,

Email : nitadoshi@gmail.com

DECLARATION

Dr. Neeta Doshi

I hereby declare that the information furnished above is true to the best of my knowledge.

Date: .17/06/2021

Place: Baramati

Dr. Neeta Anilkumar Doshi.