

RESUME

Personal Information

Name : Dr. (Mrs.) Usha Raghavan
Designation : Dean- Academics
Department : Information Technology
Vidya Prasarak Mandal's College of Engineering /
Polytechnic,
College Campus, Thane(W)-400601

Educational Qualification

- ❖ PhD – University of Pune
- ❖ MSc -Applied Electronics – NIT Trichy

Experience

Sr. No.	Name &Address of The Employer	Period of Service in Each post		Designation of Post held
		From	To	
1	VPM's College of Engineering, Thane	01/07/2024	Till date	Dean- Academics
2	V.P.M.'s Polytechnic, Thane	01-01-2007	Onwards	HOD
3		01-07-2003	01-01-2007	In-Charge Head
4		01-07-1999	01-07-2003	Senior Lecturer
5		01-07-1989	01-07-1999	Lecturer

Presented Papers in Conferences

- ❖ Future of Polytechnics -43rd ISTE national convention, TKIET, Warananagar, Maharashtra during 19th -21st Dec 2013
- ❖ Innovation in Technical Education through research based entrepreneurship- 43rd ISTE national convention, TKIET, Warananagar, Maharashtra during 19th -21st Dec 2013
- ❖ Entrepreneurial Research- Rise above and beyond excellence, Dr. BRIMS, Thane- 4th & 5th Oct 2013

- ❖ Research and Development in India-Need for Innovation -42nd ISTE National Convention, Hyderabad- 20th -22nd Dec 2012
- ❖ Commercialize Innovative projects- National conference on “Progress and prosper through Entrepreneurs and Intrapreneurs” at VPM’s Polytechnic, Thane - 15th Oct 2011
- ❖ Synthesis of CdS Nanocrystals in Organic phase and effect of doping with Manganese and Yttrium - Indo US workshop on Nanosonics and Ultrasonics (IUWONU2011) and International conference on nanotechnology and ultrasound(ICNU-2011)- 12th-14th Jan 2011
- ❖ Synthesis of CdS and CdMnS Nanocrystals in Organic Phase- International Conference on “ Synthesis, Characterization,, Consolidation and Modeling of Nanomaterials” at PSG college of Technology, Coimbatore – 5th & 6th Mar 2010.
- ❖ Using Aqueous foams for synthesis of CdS nanoclusters- Thinkquest - 2009- 14th Mar 2009
- ❖ Biometrics- A case Study- National Conference on “Biometrics, RFID and Emerging Technologies for Automatic Identification”, at VPM’s Polytechnic, Thane- 10th Jan 2009
- ❖ Storage of Hydrogen in Carbon Nanotubes- International Workshop on Hydrogen Energy Production, Storage and Application, Jaipur, Rajasthan- 6th-9th Nov 2006

Published Papers in journals

Sr. No	Title of Paper	Name of Seminar	Year
1	IoT–Technology Connecting the world	International Research Journal of Engineering and Technology(IRJET)i	2019
2	Luminescence of ZnS nanoparticles in organic Phase and effect f doping	International Journal of Research in Advent Technologies	Vol 2, Issue 2 Pp 250-252
3	Battery Energy Storage	Akshay Urja-Iris publications(MNRE)	Dec 2012 Vol 6, Issue 3
4	Hybrid Solar Photovoltaic System	Emerging Trends in Solar Technology ISBN978-93-81583-75-3 (Have been a part of the editing team)	Excellent Publishing Home, New Delhi.
5	Hydrogen–A Promising Renewable Fuel	Akshay Urja-Iris publications(MNRE)	April 2012 Issue
6	Luminescence Properties of Semiconductor Nanocrystals Synthesized in organic phase	"International Journal of Computer Science and its Applications - IJCSIA" having ISSN No.-"ISSN2250-3765".(Volume 2 Issue 3)	Uttarakhand Technical University
7	Nanotechnology and Characterization of Nanomaterials	Advanced Research Series (Have been a part of the editing team)	MacMillan Publications Jan2008

Sr. No	Title of Paper	Name of Seminar	Year
8	Storage of Hydrogen in Carbon Nanotubes	International Forum “Hydrogen Technologies For Energy Production”, Moscow, Russia	6-10February 2006
9	Socio-economic aspects of Hydrogen Energy-Indian Perspective	International Forum “Hydrogen Technologies for Energy Production” ,Moscow, Russia	6-10February 2006
10	Energy of Future– Hydrogen	National Seminar on Alternative Energy Sources, V.P.M.’s Polytechnic, Thane	27-28August 2005
11	Storage of Hydrogen Through Carbon Nanotubes	International Hydrogen Energy Congress and Exhibition, Istanbul, Turkey	13-15July. 2005
12	Synthesis of Cd MnS nanoparticles in aqueous medium	International Journal of Nanoscience and Nanotechnology	Vol 5, 1-11, 2005

Conferences attended

Sr. No	Date & Year	Name of Conference
1	01.03.2025	Smart Materials and Manufacturing Trends in Engineering & Applied Sciences
2	16.04.2022	28 th National Conference on “Battery Electric Vehicle & Related Technologies”
3	19.11.2021 & 20.11.2021	27 th National conference on Sensors in Automation (Online Mode)
4	23.04.2021 & 24.04.2021	26 th Online National Conference On Technological Innovations At Workplace Safety
5	28.10.2020 & 29.10.2020	Silver Jubilee National Conference on Industry 4.0 (Online mode)
6	21.12.2019	Smart Technology in Occupational Safety , Health and Environment Conference and Awards
7	21.09.2019	Emerging Trends in Artificial Intelligence and Big Data - A Journey into Future
8	15.12.2018	IoT-Reconnecting the World
9	17.02.2018	Road to Health and Safety through Environment Protection
10	22.12.2017	Advancement in Renewable Energy Technologies
11	17.12.2016	Environment, Health & Safety
12	10.12.2015	Life Safety - Today & Tomorrow
13	07.02.2015	Industry Expectation from safety Managers
14	16.01.2015 & 17.01.2015	Next Generation Electronics
15	04.01 2014	Process Safety Management
16	05.01. 2013	Emerging Trends in Solar Technologies
17	15.10. 2011	Progress and Prosper through Entrepreneurs & Intrapreneurs

Sr. No	Date & Year	Name of Conference
18	20.08. 2011	Future Power Systems for Green & Clean World
19	23.10. 2010	Technology – a Strategy for Safety in Infrastructure
20	03.07.2010	Broader Perspectives of Language, Thinking and Technology
21	10.10. 2009	Safety Practices for Peace, Productivity and Profits
22	19.09.2009	Advancements in Medical Instrumentation.
23	10.01. 2009	Biometrics, RFID and Emerging Technologies for Automatic Identification
24	18.10.2008	Corrosion Prevention through advanced technologies.
25	05.01.2008	Latest Trends in Nano Technology
26	03.02.2007	Innovations in Safety, Health and Environment.
27	08.12.2006 09.12.2006	Geo – Informatics.
28	27.08.2005 & 28.08.2015	Alternative Energy Sources
29	08.08.2004	Pollution of Water Bodies in Urban Area

Consultancy Projects

- ❖ Have been working as a mentor to many faculty across the state of Maharashtra, for the development of curriculum of MSBTE K scheme
- ❖ Have guided more than 15 polytechnics in Maharashtra state for preparing for NBA accreditation

Projects Grants received

- ❖ Received AICTE MODROBS grant of Rs 15 lakhs for developing and Upgrading IOT lab
- ❖ Received AICTE/ MoE grant of Rs 2.25 lakhs under Mentor mentee scheme 2022
- ❖ Received a grant of Rs 75000/- from MSBTE in 2023 for conducting FDP on “Innovation, Incubation and start-ups” for faculty across the state of Maharashtra
- ❖ Received a grant of Rs 50000/- in 2013, from MNRE for conducting a conference on Solar Technology
- ❖ Received a travel grant of Rs 1L from AICTE for presenting a paper in Istanbul, Turkey in 2005

Awards and Achievements

- ❖ Received **Global EduTech Leadership Award 2022** from World education Congress in July 2022.
- ❖ Received the **ISTE U.P. Government National Award** for outstanding work done in a specified field related to engineering and technology for the year 2013 at the

43rd Annual convention at TKIET, Warananagar

- ❖ Awarded 3rd prize in National level paper presentation competition–**Think Quest 2009** organised by BGIT, Mumbai for the paper “Using Aqueous foams for synthesis of CdS nanoclusters”
- ❖ I have guided final year projects that has got recognition in various national & Regional forums.
- ❖ Received Madras University Rank 5 in Graduation

Books/ Chapters published

- ❖ Sole author of the book on “**Linear Integrated Circuits**” for 2nd year diploma students of Electronics group – 3 editions.
- ❖ Presently working on a book on “**Nanotechnology in Electronics**” for Shroff publishers.
- ❖ Have been part of the editing committee for the book on “**Latest Trends in Nanotechnology**” Advanced research Series published by McMillan publishers.
- ❖ Have been part of the editing team for the book on “**Emerging Trends in Solar Technology**” Published by Excellent Publishers

Date: 25th Feb 2025

Place:Thane

Dr Usha Raghavan