NICMAR University, Pune

Position: Vice-Chancellor

Name: Manoj Umesh Sharma
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Mobile: 9999914535
Gender: Male
Date of Birth: 10-May-1964

Education Detail

Education Level	Board / University	Institute / School / College	Marks	CGPA	Year
PhD	KURUKSHETRA UNIVERSITY, KURUKSHETRA	ELECTRONICS SCIENCE DEPARTMENT, KURUKSHETRA UNIVERSITY	0.00	0.00	2015
Subjects / Specialization: ELECTRONICS					
Post Graduation	KURUKSHETRA UNIVERSITY, KURUKSHETRA	DEPARTMENT OF PHYSICS, KURUKSHETRA UNIVERSITY, KURUKSHETRA	61.00	0.00	1985
Subjects / Specialization: SEMI-CONDUCTOR ELECTRONICS, NUCLEAR PHYSICS					

Work Experience (Total: 37Y 6M)

#	Organization	Designation	From	To	Duration
1	DRDO	SCIENTIST G	Nov 1986	May 2024	37Y 6M

Research Publication

#	Title	Journal	Year
1	Distinct detection of liquor ammonia by ZnO/SAW sensor: Study of complete sensing mechanism	Sensors and Actuators B: Chemical, 2017 - Elsevier	Oct-2017
2	Sensor Selection for E-Nose – Pattern recognition and big Data ,	World Scientific	Aug-2017
3	A nano-porous thin-film miniature interdigitated capacitive impedance sensor for measuring humidity	International Journal of Smart and Nano Materials, 2014 - Taylor & Francis	Sep-2017
4	Safety and Environmental Protection, SAW mono sensor for identification of harmful vapors using PCA and ANN Process	Elsevier	Apr-2016
5	A micro interdigitated thin film metal oxide capacitive sensor for measuring moisture in the range of 175–625 ppm	Sensors and Actuators B: chemical, 2015 - Elsevier	Mar-2015
6	Origin and role of elasticity in the enhanced DMMP detection by ZnO/SAW sensor	Sensors and Actuators B: Chemical Elsevier	May-2015
7	Novel scheme to improve SnO2/SAW sensor performance for NO2 gas by detuning the sensor oscillator frequency	Sensors and Actuators B: Chemical, 2015 - Elsevier	Dec-2015
8	Oxide thin films (ZnO, TeO2, SnO2, and TiO2) based surface acoustic wave (SAW) E-nose for the detection of chemical warfare agents	Sensors and Actuators B: Chemical, 2013 - Elsevier	Jan-2013
9	High frequency surface acoustic wave (SAW) device for toxic vapor detection: Prospects and challenges- Sensing Technology: Current Status and Future Trends - Book Chapter	Springer	Feb-2013
10	Cross-sensitivity and selectivity studies on ZnO surface acoustic wave ammonia sensor	Sensors and Actuators B: Chemical, 2010 - Elsevier	Jan-2010

Published Books / Chapters

#	Book Title	Publisher	Institution
1	High frequency surface acoustic wave (SAW) device for toxic vapor detection: Prospects and challenges- Sensing Technology: Current Status and Future Trends, pp 217-241, Book Chapter	Elsevier	All Electrical Engineering Institutes

Administrative Experience (Total: 33Y 9M)

#	Post	Institution	From	To	Duration
1	GROUP DIRECTOR	SOLIDSTATE PHYSICS LABORATORY, DRDO, DELHI	Jun 2020	May 2024	3Y 11M
2	CHIEF EXECUTIVE OFFICER	STARC, DRDO, BENGALURU	Dec 2017	Jun 2020	2Y 6M
3	ASSOCIATE DIRECTOR	SOLIDSTATE PHYSICS LABORATORY, DRDO, DELHI	Jul 2012	May 2024	11Y 10M
4	PROJECT DIRECTOR	SOLIDSTATE PHYSICS LABORATORY, DRDO, DELHI	Apr 2010	Jun 2020	10Y 2M
5	DIVISIONAL OFFICER	SOLIDSTATE PHYSICS LABORATORY, DRDO, DELHI	Mar 2007	Jul 2012	5Y 4M

Major Research

#	Project Title	Value	Agency	From	To	Duration
1	DEVELOPMENT OF HAND HELD ELECTRONIC NOSE	5.89 crores	DRDO, MINISTRY OF DEFENCE	Apr 2010	Apr 2015	5Y 0M

International Experience

#	Organization / Body	Experience
1	INSTITUTE OF RADIO ENGINEERING, RUSSIAN ACADEMY OF SCIENCES, MOSCOW	DEVELOPMENT OF SEMICONDUCTOR TECHNOLOGY
2	GEORGE WASHINGTON UNIVERSITY, WASHINGTON D C, USA	PROJECT & PROGRAM MANAGEMENT

Leadership Experience

#	Brief Description
1	CHIEF EXECUTIVE OFFICER of a semiconductor Foundry unit. Developed and supplied components to DRDO

Statutory Authorities

#	Institution	Statutory Forum	From	To
1	SEMICONDUCTOR TECHNOLOGY AND APPLIED RESEARCH CENTRE	CHIEF EXECUTIVE OFFICER	Dec 2017	Jun 2020
2	UNIVERSITY INSTITUTE OF ENGINEERING & TECHNOLOGY, KURUKSHETRA UNIVERSITY, KURUKSHETRA	MEMBER, BOARD OF STUDIES	Mar 2011	Dec 2012

Quality Assurance Experience

#	Area	Institution	From	To	Achievements
1	ISO CERTIFICATION	SOLIDSTATE PHYSICS LABORATORY, DRDO, DELHI	Jun 2020	May 2024	SUCCESSFULLY ACHIEVED IN GETTING ISO CERTIFICATION FOR THE LABORATORY