

## CURRICULAM VITAE

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Virang Kishorchandra Shukla  
Lecturer (Physics)  
Bhagwan Mahavir Polytechnic,  
Bhagwan Mahavir University,  
Surat.  
Mail id: [virangshukla\\_1983@yahoo.co.in](mailto:virangshukla_1983@yahoo.co.in)  
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### **Career Objective:**

To gain the employment as Physics Professor and continue my professional growth as an educator at the educational institutions and to encourage and inspire students to achieve their highest potential through solid and well rounded education.

### **Personal Profile:**

Name : Mr. Virang Kishorchandra Shukla  
Address : A-504,Shantam residency, Near silver park society,  
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E-Mail : [virangshukla\\_1983@yahoo.co.in](mailto:virangshukla_1983@yahoo.co.in)  
Voice : 09979304554  
DOB : 20<sup>th</sup> March 1983  
Nationality : Indian  
Marital Status : Married  
Languages Known : English, Hindi, Gujarati

### **Academic Profile:**

M.Sc. Tech : Applied Physics (58.30 %) in 2005  
(Department of Physics, Veer Narmad South Gujarat University,  
Surat)  
B.Sc. : Electronics (63.77 %) in 2003  
(Narmada college, Veer Narmad South Gujarat University, Surat)  
H.S.C : Science with 55.54% in 2000 ( GSEB, Gandhinagar)  
S.S.C : General Science with 78.86% in 1998 (GSEB, Gandhinagar)

### Other Qualifications:

1. Completed MBA (HRM) with 61.33% from IGNOU.

### Certified Courses:

1. Completed online credit course of Innovation Management on Coursera.
2. Completed Course on Computer Concept (CCC) with A Grade from Mahatma Gandhi Sarva shiksha Abhiyan in 2018.
3. Completed P.G. Diploma in Management with 59.19% in 2014 from IGNOU.
4. Completed P.G. Diploma in Human Resource Management with 67.10% in 2013 from IGNOU.
5. Completed P.G. Diploma in Human Resource Management with 67.10% in 2012 from IGNOU.
6. Completed Diploma in Management with 56.10% from IGNOU.
7. Completed P.G. Diploma in Telecommunication with 80% from University of Hyderabad.
8. Completed course "Certificate in Computing (CIC)" from Indira Gandhi National Open University with 60.3% in December 2001.

### Research experience:

- 3 years of experience in field of Physics especially in Material Science and analyze performance characteristics of solar cell using SCAPS-1D simulator.

### Career Profile:

- **Bhagwan Mahavir Polytechnic, Surat** from September-2012 to till date  
Designation : Lecturer (Physics)  
Job Responsibilities : Conducting Lectures and Laboratories
- **Suzlon Energy Forge Ltd., Vadodara** from August 2008 to September 2012  
Designation : Jr.Executive (Operations)  
Job Responsibilities : Production and Planning
- **Government Engineering College, Surat** from Feb-2006 to March-2007  
Designation : Visiting Lecturer (Physics)  
Job Responsibilities : Conducting Lectures and Laboratories

## Skills:

- Computer Skills: MS office, Software installation
- Subject skills: Mastery of Subject Matters, Research and data analysis, practical skills.
- Technical Skills: Problem Solving, Reasoning, Numeracy.

## Conferences:

1. Attended Multi-disciplinary International Conference (GTU ICON 2020) organized by GTU and presented a paper "A study of Performance Evaluation in Engineering Colleges in Private Sector on March 14, 2019. (ISBN:978-93-5351-069-5)
2. Attended Multi-disciplinary International Conference (GTU ICON 2020) organized by GTU and presented a paper "The Relevance of Branding in digital era on March 14, 2019. (ISBN:978-93-5351-069-5)
3. Attended Multi-disciplinary International Conference (GTU ICON 2020) organized by GTU and presented a paper "The Study of Corporate Governance and CSR: The Performance Evaluator of The Country" on March 14, 2019.
4. Attended 23<sup>rd</sup> ISTE State Annual Faculty Convention 2018 with National conference on "Role of Innovation and Human Values in Engineering and Technology" and presented a paper titled impact of Emerging Technologies on Innovations and Human Values on December 15, 2018.
5. Attended 22<sup>nd</sup> International Conference on "Recent Trends in Affordable and Sustainable Drug Discovery and Developments" organized by UKA TARSADIA University on February 6-8, February 2016.
6. Attended National Conference on "Innovations and recent Trends in Drug Discovery Techniques Radio Labeling and Applied Science Research" organized by UKA TARSADIA University on January 23-24, 2015.

## Paper Publications:

1. Virang Shukla and Gopal Panda, "Effect of BSF Layer on the Performance of CdTe Solar Cell", Materials Today: Proceedings44P1 (2021) pp.2300-2303. (ISSN: 2214-7853)  
DOI: 10.1016/j.matpr.2020.12.394.
2. Virang Shukla and Gopal Panda, "Numerical Analysis of Cadmium Telluride Solar Cell", Test Engineering and Measurement, Volume 82, Jan-Feb 2020, pp. 9076-9079. (ISSN: 0193-4120)
3. Virang Shukla and Gopal Panda, "Numerical modeling of ultrathin CdTe solar cell with back surface field layer", IOP Conference Series: Material Science and Engineering, 872 (2020) 012106, Volume 872, 2020, pp. 1-6. doi:10.1088/1757-899X/872/1/012106.

4. Virang Shukla and Gopal Panda, "The performance study of CdTe/CdS/SnO<sub>2</sub> solar cell", *Materials Today: Proceedings (ELSEVIER)*, 26 (2020) 487–491. (ISSN: 2214-7853) DOI:10.1016/j.matpr.2019.12.113.
5. Virang Shukla and Gopal Panda, "Study of performance evaluation of Nano wire CdS/CdTe solar cell using SCAPS-1D Simulation Program "Journal of Emerging Technologies & Innovative Research, VOL-6 ISSUE-6, 2019, pp. 445-452. (ISSN-2349-5162)

#### **FDP/ Webinar/Workshop**

1. Attended 5 days AICTE ATAL FDP organized by Santhigiri Institute of Management On "Organizational Behavior" from February 15, 2021 to February 19, 2021.
2. Attended 5 days AICTE ATAL FDP organized by KKR & KSR Institute of Technology On "Photonics" from February 8, 2021 to February 12, 2021.
3. Attended 5 days AICTE ATAL FDP organized by Pillai College of Engineering College on "Novel Materials" from October 5, 2020 to October 9, 2020.
4. Attended 5 days AICTE ATAL FDP organized by Indian Institute of Information Technology, Design and Manufacturing on "Leadership and Excellence" from Sep 7, 2020 to Sep 11, 2020.
5. Attended 5 days FDP organized by S V College of Engineering, Tirupati, on "Nanotechnology & Functional Nano Materials" from November2, 2020 to November7, 2020.
6. Attended 6 days FDP organized by NITTE Meenakshi Institute of Technology on "Material Synthesis and Characterization for Device Application" from August 31, 2020 to September 5, 2020.
7. Attended Webinar on "Bridging the gap - opening up large volumes to Nanotechnology" organized by PP Savani University, Surat on July 25, 2020.
8. Attended Webinar on "Tips on effective ways of Scientific Literature search" organized by Chennai Institute of Technology Chennai June 11, 2020.
9. Attended Webinar "Bhautiki Yatra- a Travel for Scientific Minds" organized by Department of Physics Saurashtra University May 21, 2020 to May 29, 2020.
10. Attended webinar on "Demystifying writing a Scientific Research" organized by PP Savani University Surat on May 16, 2020.
11. Attended webinar on "Basic Concept about Nano Technology and Nano Materials organized by Bhagwan Mahavir College of Engineering and Technology, Surat on May 4, 2020.
12. Attended webinar on "Fundamentals of strength of Materials organized by Chennai Institute of Technology Chennai April 29, 2020.

### Extra-Curricular Activities:

1. Conducted Workshop on “Nano Medicine & Nano Technology” at Bhagwan Arihant Institute of Technology on June 15, 2021.
2. Worked as a Reviewer for Materials Today: Proceeding (ELSEVIER) Journal for GC-RASM 2021 Conference.
3. Conducted Expert Lecture on “The Performance Study of High Efficiency Solar Cell” at Bhagwan Arihant Institute of Technology in October 12, 2020.
4. Conducted Visit for the Students of first year Diploma Engineering at Vikram A Sarabhai Community Science Centre, Navrangpura, Ahmedabad in year 2017, 2018 and 2019.
5. Conducted Visit for the Students of first year Diploma Engineering at Science Centre, Surat in year 2018.

### References:

1. Dr.Nilesh Pandya  
Assistant Professor (Chemistry)  
Uka Tarsadiya University,  
Maliba Campus, Bardoli Gujarat (INDIA)  
E-mail:  
Mobile: 9979911228
2. Dr.Gopal Panda  
Assistant Professor (Physics)  
Sarvepalli Radhakrishnan University, Bhopal  
Email: [gopal\\_panda007@yahoo.com](mailto:gopal_panda007@yahoo.com)  
Mobile: 9893175052

### Declaration:

I hereby declare that all the above furnished information is true to best of my knowledge and belief. The originals will be produced as required.

(Virang K Shukla)