

# CURRICULUM VITAE



## DR. MILIND SITARAM KALE.

### Residential Address:

Plot No 118/9/2/9,  
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### Official Address:

Dhanaji Nana Chaudhari Vidya Prabodhini Sanchalit,  
**Shirish Madhukarrao Chaudhari College, Jalgaon.**  
(NAAC Accredited Grade: 'B')  
Gat No. 78/5, Shankarrao Nagar,  
Old Khedi Road, Jalgaon, MS, India, 425001.  
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## PERSONAL DETAILS

Full Name : Dr. Milind Sitaram Kale.  
Nationality : Indian.  
Religion and Category : Hindu (OBC).  
Cast : Lewapatil.  
Date of Birth : 16<sup>th</sup> June 1983.  
Gender : Male.  
Marital Status : Married.

## EDUCATIONAL DETAILS

| Degree                          | Name of The University   | Year of Passing | Class Obtained | Percentage of Marks |
|---------------------------------|--|-----------------|----------------|---------------------|
| Ph.D.<br>(Electronics)          | North Maharashtra University, Jalgaon.                           | Mar. 2017       | -              | -                   |
| N.E.T.<br>(Electronics Science) | University Grants Commission, National Education Testing Bureau. | Jun. 2013       | -              | 62.29 %             |
| M.Sc.<br>(Electronic)           | North Maharashtra University, Jalgaon.                           | Apr. 2007       | Second         | 56.35 %             |
| B.Sc.<br>(Electronic)           | North Maharashtra University, Jalgaon.                           | Apr. 2004       | First          | 60.91 %             |

## TECHNICAL KNOWLEDGE

Programming Language : C, C++, JAVA, J2ME, asp.Net  
Data Base : SQL, ORACLE  
Assembly Language : Microprocessor, Microcontroller  
CRM : Seibel CRM  
Other : pSpice5, HTML, MS Office

## TEACHING EXPERIENCE

- **Teaching Experience** : Working as Assistant Professor, in D.N.C.V.P.S. Shirish Madhukarrao Chaudhari College Jalgaon, from 30 March 2017 till date (6 + Years).

## RESEARCH AREA

- **Research Fellow** : Worked as Research Fellow on UGC sanctioned Major Research Project, at Dept. of Electronics (Sr), Pratap College Amalner, during 07 Feb. 2011 – 06 Feb. 2014 (3 Years).
- **Topic of Ph. D. Research** : Growth and Characterization of Nanocrystalline CdS and Its Ternary Compound Thin Films for Solar Cell Applications. (Worked under the guidance of Prof. Dr. D.S. Bhavsar, at Department of Electronics, Pratap College, Amalner, Jalgaon.)
- **Recognized Guide** : Recognized **M.Phil. and Ph.D.** Guide and Recognized **P.G. Teacher** in the subject **Electronics** under the faculty of Science & Technology, by Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon.
- **List of Registered Research Students:**

| Sr. | Name of Student              | Subject     | University   | Date of Reg.                       | Title   | Remark  |
|-----|------------------------------|-------------|--|------------------------------------|---|---------|
| 1   | Nehete Jitendra Dilip        | Electronics | Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon. | KBCNMU/11/Ph.D./Elect./730/2020    | Investigation on Properties of ZnS and Doped ZnS Thin Films Deposited by Simple Chemical Route Method for Solar Cell Applications | Ongoing |
| 2   | Mr. Uddhao Nivrutti Ingale   | Electronics | Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon. | KBCNMU/11/Ph.D./Elect./736/2018    | Systematic Investigation on Nano-structured ZnTe and Its Ternary Compound Thin Films for Photovoltaic Applications                | Ongoing |
| 3   | Mr. Prabhakar Sadashiv Kadam | Electronics | Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon. | KBCNMU/11/Ph.D./Elect./Online/2024 | -   | Ongoing |

- **List of Research Projects:**

Receives grant of Rs. 1Lk. for research project “Biometric Verification Based Automation of Governmental Ration Distribution System for Public Service” under **Vice Chancellor Research Motivation Schem (VCRMS)** from Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon in May 2022.

## PUBLICATION DETAILS

**A) Research Publications : 29 (Appendix: A – Page 7)**

- International Level Publications : 26
- National Publications : 03
- Citation : 63
- h-index : 5
- i10-index : 1

**B) Books Written and Published : 02 (Appendix: B – Page 12)**

- International Book published : 00
- National : 02

**C) Conferences/Seminars/Workshops : 67 (Appendix C – Page 13)**

- International Level : 15
- National Level : 35
- State / University / District : 17

## AWARDS AND SPECIAL WORK

**A) Awards:**

- Got an award for **Best Oral Presentation** in International Conference on Global Opportunities for Latest Developments in Chemistry and Technology, Organized by School of Chemical Sciences, NMU, Jalgaon on Feb. 2014

**B) Special Work:**

| Sr. | Worked As                     | Title of Event  | Event                           | Organizer  | Date         |
|-----|-------------------------------|---|---------------------------------|--|--------------|
| 1.  | <i>Editorial Board Member</i> | Innovative Sustainable Practices in Science and Technology (ISPISAT-2022) | National Conference             | D.N.C.V.P.'s Shirish Madhukarrao Chaudhari College Jalgaon   | 26 Nov. 2022 |
| 2.  | <i>Organizing Secretary</i>   | Innovative Sustainable Practices in Science and Technology (ISPISAT-2022) | National Conference             | D.N.C.V.P.'s Shirish Madhukarrao Chaudhari College Jalgaon   | 26 Nov. 2022 |
| 3.  | Committee Member              | Financial Investment Planning for Teaching and Non-Teaching               | Online One Day Training Program | Internal Quality Assurance Cell (IQAC), D.N.C.V.P.'s Shirish Madhukarrao Chaudhari College Jalgaon | 5 Mar. 2021. |

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| Sr. | Worked As                                       | Title of Event   | Event                           | Organizer  | Date          |
|-----|---|--|---------------------------------|--|---------------|
| 4.  | Committee Member                                | Assessment and Accreditation Framework of NAAC                                 | Online One Day National Seminar | Internal Quality Assurance Cell (IQAC), D.N.C.V.P.'s Shirish Madhukarrao Chaudhari College Jalgaon   | 3 Mar. 2021.  |
| 5.  | Committee Member                                | Intellectual Property Rights (IPR)   | Online One Day National Seminar | Internal Quality Assurance Cell (IQAC), D.N.C.V.P.'s Shirish Madhukarrao Chaudhari College Jalgaon   | 23 Feb. 2021. |
| 6.  | Convener  | Career Opportunities in Electronics – Physics and Its Importance in Industries | National Level Workshop         | jointly organized by Department of Electronics – Physics and SMC Collegians Alumni Association, D.N.C.V.P.'s Shirish Madhukarrao Chaudhari College Jalgaon | 1 Aug. 2020.  |
| 7.  | Organizing Secretary and Editorial Board Member | Emerging Trends in Physical Sciences and Chemical Sciences (ETIPSACS–2020)     | National Level Conference       | Jointly organize by Department of Physics-Electronics and Department of Chemistry  | 18 Jan 2020   |
| 8.  | Co-ordinator                                    | Introduction to Arduino And Its Programming                                    | National Level Workshop         | Department of Electronics and Physics, D.N.C.V.P.'s Shirish Madhukarrao Chaudhari College Jalgaon  | 7 Sept. 2019  |
| 9.  | Organizing Secretary                            | Kalarang   | Annual Gathering                | D.N.C.V.P.'s Shirish Madhukarrao Chaudhari College Jalgaon,  | 29 Jan. 2019  |
| 10. | Organizing Secretary and Editorial Board Member | Recent Trends in Material Science and its Applications                         | National Conference             | D.N.C.V.P.'s Shirish Madhukarrao Chaudhari College Jalgaon   | 13 Jan. 2018  |

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#### **Contribution Educational Curricular, Extra Curricular Activities:**

1. Working as **NSS: Assistant Program Officer** in D.N.C.V.P.S. Shirish Madhukarrao Chaudhari College Jalgaon, from 2024-25 to until today.
2. Working as **NSS: Program Officer** in D.N.C.V.P.'s Shirish Madhukarrao Chaudhari College Jalgaon, from 2021-22 to 2023-24.

3. Contributed as **Resource Person** and deliver the lecture on “Hetero Junction Solar cell” in Five Days Online **Faculty Development Programme** On “Green Energy And Renewable Energy For Physics And Electronics” Teachers jointly organized by Dhanaji Nana Mahavidyalaya, Faizpur and Faculty Development Centre, HRDC, Savitribai Phule Pune University, Pune during the period from 8/06/2020 to 12/06/2020.
4. Working as **NSS: Assistant Program Officer** in D.N.C.V.P.’s Shirish Madhukarrao Chaudhari College Jalgaon, from 2018-19 to 2020-21.

**TEACHING PROGRAMS & COURSES ATTENDED**

| Sr. | Program   | Name of Event  | Organizer   | Scheme  | Duration       |               | Days     |
|-----|-----------|--|---|---|----------------|---------------|----------|
|     |           |  |   |   | From           | To            |          |
| 1.  | Refresher | Advanced Research Methodology  | Teaching Learning Centre Ramanujan College, University of Delhi                                       | Ministry Of Education Pandit Madan Mohan Malaviya National Mission On Teachers And Teaching | 25 Feb 2024    | 09 March 2024 | 14       |
| 2.  | FDP       | Virtual Electronics Lab for B.Sc. (C.S.) and B.Sc. (Regular) using CircuitMod Simulation | Organized by Department of Electronics Science, Arts, Commerce and Science College, Alandi, Pune      | -   | 27th Jun, 2020 | 02 Jul. 2020  | One week |
| 3.  | FDP       | The Role of ICT in Teaching-Learning Process   | IQAC, Shri Pancham Khemraj Mahavidyalaya, Sawantwadi  | -   | 5th Jun. 2020  | 10 Jun. 2020  | One week |
| 4.  | FDP       | Modern Teaching, Evaluation and Research Methods   | M.S.P. Mandal's Vinayakrao Patil Mahavidyalays, Vaijapur, Aurngabad                                   | UGC   | 02 Jun 2019    | 07 Jun. 2019  | One week |
| 5.  | FDP       | Opportunities & Challenges in Electronics & Allied Industries in India post COVID-19     | Department of Electronics Engineering, Vivekanand Education Society's Institute of Technology, Mumbai | -   | 25 May 2020    | 30 May 2020   | One week |
| 6.  | FDP       | Cyber Security   | Faculty Development Center in Cyber Security and  | FDC Pandit Madan Mohan Malaviya   | 16 Dec. 2019   | 21 Dec. 2019  | One week |

| Sr. | Program     | Name of Event                         | Organizer   | Scheme   | Duration            |                     | Days        |
|-----|-------------|---------------------------------------|---|--|---------------------|---------------------|-------------|
|     |             |                                       |   |  | From                | To                  |             |
|     |             |                                       | Data Sciences<br>Shivaji University<br>Kolhapur Hosted<br>by SKN Sinhgad<br>College of<br>Engineering,<br>Korty,<br>Pandharpur. | National<br>Mission on<br>Teachers<br>and<br>Teaching  |                     |                     |             |
| 7.  | Orientation | -                                     | HRDC-<br>Lakshmbai<br>National Institute<br>of Physical<br>Education<br>Gwalior   | UGC  | 01<br>Mar.<br>2019. | 28<br>Mar.<br>2019. | 28<br>Days  |
| 8.  | FDP         | IQAC<br>coordinators<br>(Electronics) | T.V.E.S's.<br>Dhanaji Nana<br>Mahavidyalay,<br>Faizpur  | HMRD<br>Faculty<br>Development<br>Center &<br>UGC-HRDC | 07 Jan<br>2019      | 13<br>Jan<br>2019   | One<br>week |

**DECLARATION**

I hereby declare that all the information given by me in this application is true to the best of my knowledge.

**- Dr. Milind Sitaram Kale**

Date :

Place : Jalgaon.

## PAPER PUBLISHED

| Sr. No. | Title of Paper  | Authors   | Journal   | Level         | I.F  | Year       |
|---------|---|---|---|---------------|------|------------|
| 1.      | Biometric Verification Based Automation of Governmental Ration Distribution System for Public Service             | M.S.Kale,<br>J.D. Nehete                          | Journal of Emerging Technologies and innovative Research, Vol 11 (6), 2349-5162                         | International | 7.95 | June 2024  |
| 2.      | Automatic Car Washing Using Microcontroller   | M. S. Kale,<br>R. M. Lokhande,<br>R. B. Waghulade | International Journal of Computer Research & Technology, Vol 5 (2) 2454-7719                            | International | -    | Jul. 2019  |
| 3.      | Self Drive Car: New Era in Autonomous Robotics  | M. S. Kale,<br>P. V. Barhate                      | International Journal of Computer Research & Technology, Vol 5 (2)                                      | International | -    | Jul. 2019  |
| 4.      | Global Warming: Effect and Solutions  | R. N. Pachpande,<br>M. S. Kale                    | International Multidisciplinary E-Research Journal, Special Issue 134, pp 87, ISSN: 2348-7143           | International | 6.26 | Feb. 2019  |
| 5.      | Structural and Optical Properties of $Cu_xIn_{1-x}Se$ Thin Films Deposited by Closed Spaced Sublimation Technique | R. S. Dhake,<br>M. S. Kale,<br>D. S. Bhavsar      | Elsevier Materials Today: Proceedings   | International | 0.57 | 2018       |
| 6.      | Influence of Se doping on Optical Properties of CdS Thin Films Grown by Closed Space Sublimation Technique        | M. S. Kale  | International Journal of Management, Technology And Engineering, Vol 8 (9), pp 250-254, ISSN: 2249-7455 | International | 6.3  | Sept 2018  |
| 7.      | Growth and Characterizations of $Cu_{0.25}In_{0.75}Se$ Thin Films Deposited by Thermal Evaporation Technique      | R. S. Dhake,<br>M. S. Kale,<br>D. S. Bhavsar      | International Journal of Management, Technology And Engineering, Vol 8 (9), pp 221-224, ISSN: 2249-7455 | International | 6.3  | Sept. 2018 |

| Sr. No. | Title of Paper   | Authors   | Journal   | Level          | I.F  | Year      |
|---------|--|---|---|----------------|------|-----------|
| 8.      | Growth and Characterizations of Nanostructured $\text{Cu}_{0.75}\text{In}_{0.25}\text{Se}$ Thin Films                            | R. S. Dhake, M. S. Kale, D. S. Bhavsar                                    | International Journal of Management, Technology And Engineering, Vol 8 (8), pp 1177-1181, ISSN: 2249-7455 | Inter National | 6.3  | Aug. 2018 |
| 9.      | Structural and Optical properties of $\text{Cu}_{0.5}\text{In}_{0.5}\text{Se}$ Thin Films Grown by Thermal Evaporation Technique | R. S. Dhake, M. S. Kale, D. S. Bhavsar                                    | International Journal of Advanced and Innovative Research, Vol. 7 (7), ISSN: 2278-7844                    | Inter National | -    | Jul. 2018 |
| 10.     | Synthesis and Characterizations of $\text{Cu}_{0.25}\text{In}_{0.5}\text{Se}$ Thin Films Grown by Sublimation Techniques         | R. S. Dhake, M. S. Kale, D. S. Bhavsar,                                   | Journal of Research and Development, Vol. 8 (02), pp 150-155, ISSN: 2230-9578.                            | Inter National | 5.13 | Jan. 2018 |
| 11.     | Structural and Optical Properties of $\text{CdS}_{0.8}\text{Se}_{0.2}$ Thin Films Grown by Vacuum Thermal Evaporation Techniques | M. S. Kale  | Journal of Research and Development, Vol. 8 (02), pp 107-112, ISSN: 2230-9578.                            | Inter National | 5.13 | Jan. 2018 |
| 12.     | Structural and elemental properties of Nickel Oxide Thin Film Grown by Chemical Bath Deposition Techniques                       | Rupali Surwadkar, Ruksar Khan, Yogesh Borase, Dipak Salunkhe, Milind Kale | Journal of Research and Development, Vol. 8 (02), pp 102-106, ISSN: 2230-9578.                            | Inter National | 5.13 | Jan. 2018 |
| 13.     | Password Based Digital Security System   | M. S. Kale, Y. K. Chaudhari, N. S. Patil                                  | International Journal of Computer Research and Technology, Vol 2 (2), pp 38-39, ISSN: 2454-7719.          | Inter National | -    | July 2016 |
| 14.     | Growth and Characterizations of CdS Thin Films Grown by Thermal Evaporation Technique  | Milind S. Kale, Kunal N. Bagad, Sarang P. Pathak, Deelip S. Bhavsar       | International Journal of Research And Scientific Innovation, Vol 3 (7) pp 84-86, ISSN: 2321-2705.         | Inter National | -    | Jul. 2016 |
| 15.     | Structural and Optical Properties of Thermally   | N. T. Talele, M. S. Kale, D. S. Bhavsar                                   | IOSR Journal of Applied Chemistry, Vol 9 (7), pp 62-65,   | Inter National | 3.14 | Jul. 2016 |

| Sr. No. | Title of Paper   | Authors  | Journal  | Level         | I.F  | Year      |
|---------|--|--|--|---------------|------|-----------|
|         | Evaporated CdSe Thin Films   |  | ISSN: 2278-5756.   |               |      |           |
| 16.     | Structural and Morphological Properties of CdSe <sub>0.9</sub> Au <sub>0.1</sub> Annealed Thin Films Deposited by Vacuum Thermal Evaporation Technique | N. T. Talele,<br>M. S. Kale,<br>D. S. Bhavsar                    | Journal of Chemical, Biological and Physical Sciences, Vol 6, pp 1111-1115, ISSN: 2249-1929.             | International | 3.01 | Jul. 2016 |
| 17.     | Fabrication and Electrical Characterizations of Cu / (n) - CdS <sub>1-x</sub> Se <sub>x</sub> Thin Film Schottky Diode                                 | M. S. Kale,<br>Y. R. Toda,<br>R. R. Attarde,<br>D. S. Bhavsar    | International Journal of Scientific Research and Education, Vol 4 (5), pp 5396-5400, ISSN: 2321-7545.    | National      | -    | May 2016  |
| 18.     | Growth and Optical Properties of Pure and Calcium doped Cadmium Tartrate Crystals by Silica Gel Method   | N. S. Patil,<br>S. K. Bachhav,<br>M. S. Kale,<br>D. S. Bhavsar   | International Journal of Engineering and Applied Sciences (IJEAS), Vol 2 (2), pp 70-74, ISSN: 2394-3661. | International | 3.85 | Feb. 2015 |
| 19.     | Growth and optical behavior of Co(II) doped ammonium nickel sulphate hexahydrate crystals by gel technique   | S. J. Baviskar,<br>M. S. Kale,<br>D. K. Sawant,<br>D. S. Bhavsar | Advances in Applied Science Research, Vol 6 (2), pp 124-127, ISSN: 0976-8610.                            | International | -    | 2015      |
| 20.     | Growth and characterization of cobalt doped barium tartarate crystals  | S. K. Bachhav,<br>N. S. Patil,<br>M. S. Kale,<br>D. S. Bhavsar   | Integrated Journal of Engineering Research and Technology, Vol 1 (5), pp 175-184, ISSN:2348-6821.        | National      | -    | Oct. 2014 |
| 21.     | Growth and optical behavior of Zn (II) doped ammonium nickel sulphate hexahydrate crystals grown by silica gel method                                  | S. J. Baviskar,<br>M. S. Kale,<br>D. S. Bhavsar                  | Integrated Journal of Engineering Research and Technology, Vol 1 (5), pp 171- 175, ISSN:2348-6821.       | National      | -    | Oct. 2014 |
| 22.     | Growth and characterization of strontium   | N. S. Patil,<br>S. K. Bachhav,<br>M. S. Kale and                 | Advances in Applied Science Research, Vol 5(6),  | International | -    | 2014      |

| Sr. No. | Title of Paper  | Authors   | Journal  | Level         | I.F  | Year      |
|---------|---|---|--|---------------|------|-----------|
|         | doped cadmium tartrate crystal by gel method  | D. S. Bhavsar   | pp 144-149, ISSB: 0976-8610.   |               |      |           |
| 23.     | Structural and thermal studies of barium doped cadmium tartrate crystals grown by gel method  | N. S. Patil, S. K. Bachhav, M. S. Kale, D. S. Bhavsar | Advances in Applied Science Research, Vol 5(6), pp 139-143, ISSN: 0976-8610.                                   | International | -    | 2014      |
| 24.     | Crystal growth and characterization of strontium doped barium tartrate crystals by silica gel method  | S. K. Bachhav, N. S. Patil, M. S. Kale, D. S. Bhavsar | Advances in Applied Science Research, Vol 5(6), pp 66-71, ISSN: 0976-8610.                                     | International | -    | 2014      |
| 25.     | Synthesis and Characterization of Nanostructured (CdS) <sub>0.8</sub> Te <sub>0.2</sub> Thin Films for Solar Cell Application                       | Milind Kale, Deelip Bhavsar                           | International Journal of Engineering Science and Research Technology, Vol 3(4), pp 7012-7015, ISSN: 2277-9655. | International | 1.55 | Apr. 2014 |
| 26.     | Synthesis and Characterization of Nanocrystalline (CdS) <sub>0.6</sub> Te <sub>0.4</sub> Thin Films Deposited by Closed Space Sublimation Technique | M. S. Kale, Y. R. Toda, D. S. Bhavsar                 | IOSR Journal of Applied Physics, Vol 6 (2), pp 22-27, ISSN: 2278-4861.   | International | 3.15 | Mar. 2014 |
| 27.     | Synthesis and characterization of Nanostructured thin films of (CdS) <sub>0.6</sub> Se <sub>0.4</sub> for solar cell                                | M. S. Kale, N. T. Talele, D. S. Bhavsar               | IOSR Journal of Applied Physics, Vol 6 (1), pp 58-62, ISSN: 2278-4861.   | International | 3.15 | Feb. 2014 |
| 28.     | Preparation and studies of Nano structured Thin films of (CdS) <sub>0.8</sub> Se <sub>0.2</sub>   | M. S. Kale, N. T. Talele, D. S. Bhavsar               | International Journal of Scientific and Research Publications, Vol 4 (2), pp 1-4, ISSN: 2250-3153.             | International | 7.66 | Feb. 2014 |
| 29.     | Structural, Optical And Thermo Electrical Properties Of   | M. S. Kale, Y. R. Toda, M. P. Bhole, D. S. Bhavsar    | Springer: Electronic Materials Letters, Vol 10 (1), pp 21-   | International | 2.1  | Jan. 2014 |

| Sr. No. | Title of Paper                                  | Authors | Journal | Level | I.F | Year |
|---------|---|---------|---------|-------|-----|------|
|         | Nanostructured Vacuum Evaporated CdS Thin Films |         | 25.     |       |     |      |

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| <b>BOOK PUBLISHED</b> |
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| Sr. No. | Title of Book  | Authors   | Publisher               | ISBN                  | Year    |
|---------|--|---|-------------------------|-----------------------|---------|
| 1.      | Electrical Circuits and Network Skills                                       | Prof. R. S. Khadayate,<br>Dr. S.V.Borase,<br>Dr. K.G.Kolhe,<br>Dr. R.B.Waghulade,<br>Dr. Deepak Marathe,<br><b>Dr. M.S.Kale</b> ,<br>Dr. S.R.Gosavi | Prashant<br>Publication | 978-93-<br>89501-40-7 | 2019-20 |
| 2.      | Text Book of SYBSc,<br>Ele-401, Digital<br>Communication,<br>(CBCS Pattern), | Prof. A.L. Chaudhari,<br>Prof. R. S. Khadayate,<br>Dr. L.B. Patale,<br>Dr. S.G. Bachhav,<br><b>Prof. M.S.Kale</b>                                   | Prashant<br>Publication | 978-93-<br>89492-93-4 | 2018-19 |

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**CONFERENCES / SEMINARS / WORKSHOPS**

| Sr. No. | Attended/ Participated/ Paper Presented | Name of Event  | Organizer and Place   | Level      | Conf./ Sem/ Workshop | Year              |
|---------|---|--|---|------------|----------------------|-------------------|
| 1.      | Participated                            | Syllabus Framing of SYBSc Electronics Sem IV as Per NEP 2020   | Nanasaheb Y.N. Chavan Arts Science Commerce College Chalishgaon Jalgaon               | University | Workshop             | 19 March 2024     |
| 2.      | Participated                            | New Education Policy 2020: Theme and Prospectus                | Shirish Madhukarrao Chaudhari College Jalgaon   | University | Seminar              | 18 March 2024     |
| 3.      | Participated                            | Syllabus Framming of SYBSc Electronics Sem III as Per NEP 2020 | D.D.S.G. Patil College Chopada  | University | Workshop             | 11 March 2024     |
| 4.      | Participated                            | Banana Conference  | Leva Bhratru mandal Pinpale Saudagar Pune and Jain Irrigation Jalgaon                 | State      | Conference           | 13 Feb 2024       |
| 5.      | Participated                            | New Education Policy 2020: Theme and Prospectus                | Shirishh Madhukarrao Chaudhari College Jalgaon  | University | Seminar              | 11 Jan 2024       |
| 6.      | Participated                            | Meri Mati Mera Desh Amrut Kalash Sankalan Planning workshop    | Department of NSS, Kavayitri Bahinabai Chuadhari North Maharashtra University Jalgaon | University | Workshop             | 04 September 2023 |
| 7.      | Participated                            | Program Management and execution workshop                      | Department of NSS, Kavayitri Bahinabai Chuadhari North Maharashtra University Jalgaon | University | Workshop             | 01 September 2023 |
| 8.      | Participated                            | G-20 Yuwa Sanwad Bharat @2047                                  | Sport Ministry, Bharat Saraakar Navi Dilli and NSS, KBC NMU Jalgaon                   | University | Conference           | 22 July 2023      |
| 9.      | Participation                           | Advance e-Technology for Societal Applications                 | Kavayitri Bahinabai Chuadhari North Maharashtra University Jalgaon                    | National   | Symposium            | 07 July 2023      |

| <b>Sr. No.</b> | <b>Attended/ Participated/ Paper Presented</b> | <b>Name of Event</b>  | <b>Organizer and Place</b>   | <b>Level</b>   | <b>Conf./ Sem/ Workshop</b> | <b>Year</b>   |
|----------------|--|---|--|----------------|-----------------------------|---------------|
| 10.            | Participated                                   | National Seminar on Nutrition and Healthy Lifestyle               | Kavayitri Bahinabai Chaudhari North Maharashtra University Jalgaon | National       | Seminar                     | 28 April 2023 |
| 11.            | Attended                                       | Survey on informal Education or Youth in Regular Service          | Kavayitri Bahinabai Chaudhari North Maharashtra University Jalgaon | University     | Workshop                    | 24 Mar 2023   |
| 12.            | Participated                                   | Innovative Sustainable Practices in Science and Technology - 2022 | Shirishh Madhukarrao Chaudhari College Jalgaon                     | international  | Conference                  | 26 Nov 2022   |
| 13.            | Participated                                   | Aviskar - 2022  | Kavayitri Bahinabai Chaudhari North Maharashtra University Jalgaon | University     | Workshop                    | 11 Nov 2022   |
| 14.            | Participated                                   | NSS Workshop on Program Planning and Implementation               | Arts Commerce and Science College, Bodawad                         | University     | Workshop                    | 27 July 2022  |
| 15.            | Participated                                   | NSS Workshop on Program Planning and Implementation               | Kavayitri Bahinabai Chaudhari North Maharashtra University Jalgaon | University     | Workshop                    | 24 Feb 2022   |
| 16.            | Attended                                       | Recent Advances in Physical and Computational Sciences            | Dr. Annasaheb G D Bendale Mahila Mahavidyalay Jalgaon              | National       | Conference                  | 15 Feb 2022   |
| 17.            | Participated                                   | Online One Day Syllabus Framing Workshop of TYBSc Electronics     | KES's Pratap College Amalner                                       | University     | Workshop                    | 20 Oct 2021   |
| 18.            | Participated                                   | Best Practice and Their Sustainability in Administration of HEIs  | Maniben Navanathi Womans College Mumbai                            | State Level    | Webinar                     | 13 Aug 2021   |
| 19.            | Participated                                   | Excel at MS Excel for Effective Organization and Quantitative     | Vidyalankar Institute of Technology, Mumbai                        | National Level | Workshop                    | 15 May 2021   |

| Sr. No. | Attended/ Participated/ Paper Presented  | Name of Event  | Organizer and Place  | Level          | Conf./ Sem/ Workshop | Year            |
|---------|--|--|--|----------------|----------------------|-----------------|
|         |  | Metrics Data of NAAC   |  |                |                      |                 |
| 20.     | Participated   | Advance in Industrial Automation and Device Simulation                                 | KCE's Pratap College Amalner   | State Level    | Webinar              | 29 Oct 2020     |
| 21.     | Participated   | Transition of Marginalized Groups After COVID-19: Social Issues and Remedies           | Department of Sociology, Sardar Babasaheb Mane Mahavidyalaya, Rahimatpur, Satara   | National       | Online Conference    | 31 Aug. 2020    |
| 22.     | Attended   | Train the Teacher Training Program, Online Learning: Live Classroom Teaching Platforms | KBC North Maharashtra University Jalgaon   | University     | Workshop             | 20-23 Jul. 2020 |
| 23.     | Participated   | Assessment and Accreditation Process of NAAC   | Jointly organized by IQAC Sangameshwar College Solapur and RUSA and Department of Higher & Technical Education, Govt. of MH. | National       | Workshop             | 20 Jun. 2020    |
| 24.     | Structural and Optical Properties of CdS <sub>1-x</sub> Te <sub>x</sub> Thin Films Grown by Sublimation Method | Ethical and Quality Aspects in Nanoscience and Nanotechnology Research                 | Department of Physics, Vasantao Nai Art's Commerce and Science College, Shahada  | Inter National | Online Conference    | 20 Jun. 2020    |
| 25.     | Participated   | Role of IQAC in Assessment and Accreditation Process                                   | IQAC of P.S.G.V.P. Mandal's S.I.P. Arts, G.P.B. Science and S.T.K.V.S. Commerce College Shahada                              | National       | Online Workshop      | 22 May. 2020    |
| 26.     | Participated   | Nanomaterial Synthesis is Emerging Facet of the World                                  | Late Pushpadevi Patil Arts and Science College Risod, Washim   | Inter National | Online Workshop      | 20 May. 2020    |
| 27.     | Participated   | LMS E-Content Development  | IQAC and Department of Computer Science, Bhusawal Arts, Science and P.O.   | National       | Online Workshop      | 16-17 May. 2020 |

| Sr. No. | Attended/ Participated/ Paper Presented  | Name of Event   | Organizer and Place  | Level          | Conf./ Sem/ Workshop | Year            |
|---------|--|---|--|----------------|----------------------|-----------------|
|         |  |   | Nahata Commerce College, Bhusawal  |                |                      |                 |
| 28.     | Participated   | Perspective of Interdisciplinary Research in Science and Technology in the Present Scenario | Chaudhari Charan Singh University U.P. India   | Inter National | Online conference    | 15-16 May. 2020 |
| 29.     | Participated   | Strategies for Extensions as a Social Responsibility: Perspective of Higher Education       | Department of Lifelong Learning and Extension, Savitribai Phule Pune University in Collaboration with Indian University Association for Continuing Education New Delhi | National       | Online Webinar       | 13 May. 2020    |
| 30.     | Energy Conversion and Storage Technology   | Clean Energy Conversion and Storage Technologies  | S.Z.S.P. Mandal's, Shri Pancham Khemraj Mahavidyalaya, Sawantwadi, Sindhudurg  | Inter National | Online Conference    | 30 Apr. 2020    |
| 31.     | Effect of Te Doping on the CdS Thin Films Grown by Sublimation Method                            | Emerging Trends in Physical Sciences and Chemical Sciences -2020                            | Department of Electronics-Physics and Department of Chemistry, D.N.C.V.P.'s Shirish Madhukarrao Chaudhari College Jalgaon  | National       | Conference           | 18 Jan. 2020    |
| 32.     | Synthesis and Characterization of Bismuth Sulphide Thin Film and Study of Attenuation Parameters | Emerging Trends in Physical Sciences and Chemical Sciences -2020                            | Department of Electronics-Physics and Department of Chemistry, D.N.C.V.P.'s Shirish Madhukarrao Chaudhari College Jalgaon  | National       | Conference           | 18 Jan. 2020    |
| 33.     | Theoretical and Simulation Analysis of Radiation Effect  | Emerging Trends in Physical Sciences and  | Department of Electronics-Physics and Department of  | National       | Conference           | 18 Jan. 2020    |

| Sr. No. | Attended/ Participated/ Paper Presented        | Name of Event   | Organizer and Place   | Level         | Conf./ Sem/ Workshop | Year            |
|---------|--|---|---|---------------|----------------------|-----------------|
|         | on Polymers                                    | Chemical Sciences -2020   | Chemistry, D.N.C.V.P.'s Shirish Madhukarrao Chaudhari College Jalgaon                         |               |                      |                 |
| 34.     | Self Drive Car: New Era in Autonomous Robotics | Emerging Trends in Computer and Information Technology 2019-20                  | Bhusawal Arts, Science and P.O. Nahata Commerce College, Bhusawal                             | National      | Conference           | 23 Dec. 2019    |
| 35.     | Automatic Car Washing Using Microcontroller.   | Emerging Trends in Computer and Information Technology 2019-20                  | Bhusawal Arts, Science and P.O. Nahata Commerce College, Bhusawal                             | National      | Conference           | 23 Dec. 2019    |
| 36.     | Attained                                       | Novel Correlative Techniques Using NMR and Electron Microscopy – JEOL YOKOGISHI | IIT Bombay  | National      | Workshop             | 5th Dec. 2019   |
| 37.     | Participated                                   | Program Planning and Implementation   | NSS Department, KBC North Maharashtra University Jalgaon                                      | University    | Workshop             | 29 Nov. 2019    |
| 38.     | Participated                                   | Program Planning and Implementation   | NSS Department, KBC North Maharashtra University Jalgaon                                      | University    | Workshop             | 26 Sept. 2019   |
| 39.     | Participated                                   | Introduction to Arduino and Its Programming                                     | Department of Electronics-Physics, D.N.C.V.P.'s Shirish Madhukarrao Chaudhari College Jalgaon | National      | Workshop             | 07 Sept. 2019   |
| 40.     | Participated                                   | Internal Auditor Course   | Quality Management Services   | International | Workshop             | 09-10 Aug. 2019 |
| 41.     | Participated                                   | Capacity Building for Quality Enhancement in Higher Education                   | KBC North Maharashtra University Jalgaon  | International | Seminar              | 10 May. 2019    |

| Sr. No. | Attended/ Participated/ Paper Presented   | Name of Event   | Organizer and Place  | Level            | Conf./ Sem/ Workshop | Year            |
|---------|---|---|--|------------------|----------------------|-----------------|
| 42.     | Participated  | Hands on Workshop on Arduino and Its Interfacing (HWAII 2019)     | Department of Electronics, MGSM's ACS College Chopada  | University Level | Workshop             | 06 Feb 2019     |
| 43.     | Participated  | Research Methodology for Science Post Graduate Students           | Arts Commerce Science College, Bodwad, Jalgaon   | University Level | Workshop             | 22 Jan 2019     |
| 44.     | Participated  | AVISHKAR 2018   | KBC North Maharashtra University Jalgaon   | District         | Workshop             | 27 Dec 2018     |
| 45.     | Attended  | Material and Environmental Science 2018                           | Shri Yashwantrao Patil Science College Solankaur, and The New College Kolhapur   | International    | Conference           | 07-08 Dec. 2018 |
| 46.     | Growth and Characterization of $Cu_{0.25}In_{0.75}Se$ Thin Film Deposited by Thermal Evaporation Techniques | Emerging Trends in Science, Engineering and Technology            | Mutha Chemers of Commerce, Industries and Agriculture, Pune  | International    | Conference           | 29 Sept 2018    |
| 47.     | Influence of Se Doping on Optical Properties of CdS Thin Films Grown by Close Space Sublimation Technique.  | Emerging Trends in Science, Engineering and Technology            | Mutha Chemers of Commerce, Industries and Agriculture, Pune  | International    | Conference           | 29 Sept 2018    |
| 48.     | Growth and Characterizations of Nanostructured $Cu_{0.75}In_{0.25}Se$ Thin Films.                           | Research development in Applied Science, Engineering & Management | The Indian Council of Social Science Research, North West Reginal Center, Punjab University Campus, Chandhigadh, India | International    | Conference           | 19 Aug 2018     |
| 49.     | Participated  | CBCS pattern for FYBSc Electronics                                | Department of Electronics, MGSM's ACS College Chopada  | University       | Workshop             | 8 Aug 2018      |
| 50.     | Participated  | Restructuring of F.Y.B.Sc. Electronics                            | Department of Electronics, Dr. G.D. Bendale  | University       | Workshop             | 24 April 2018   |

| Sr. No. | Attended/ Participated/ Paper Presented  | Name of Event  | Organizer and Place   | Level          | Conf./ Sem/ Workshop | Year            |
|---------|--|--|---|----------------|----------------------|-----------------|
|         |  | Syllabus   | Mahila Mahavidyalaya, Jalgaon,  |                |                      | .               |
| 51.     | Structural and Optical Properties of CdS <sub>0.8</sub> Se <sub>0.2</sub> Thin Films Grown by Vacuum Thermal Evaporation Techniques.             | Recent Trends in Material Science and its Applications         | D.N.C.V.P.'s Shirish Madhukarrao Chaudhari College Jalgaon                                    | National       | Conference           | 13 Jan. 2018    |
| 52.     | Synthesis and Characterizations of Cu <sub>0.25</sub> In <sub>0.5</sub> Se Thin Films Grown by Sublimation Techniques.                           | Recent Trends in Material Science and its Applications         | D.N.C.V.P.'s Shirish Madhukarrao Chaudhari College Jalgaon                                    | National       | Conference           | 13 Jan. 2018    |
| 53.     | Structural and Elemental Properties of Nickel Oxide Thin Film Grown by Chemical Bath Deposition Techniques.                                      | Recent Trends in Material Science and its Applications         | D.N.C.V.P.'s Shirish Madhukarrao Chaudhari College Jalgaon                                    | National       | Conference           | 13 Jan. 2018    |
| 54.     | Attended   | Non Conventional Energy Sources for Ruler Development of India | Uttamrao Patil Arts and Science College Dahivel, Sakri, Dhule                                 | National       | Conference           | 6 Jan. 2018     |
| 55.     | Participated   | Avishkar-2017  | North Maharashtra University, Jalgaon   | University     | Workshop             | Dec 2017        |
| 56.     | Fabrication and Characterizations of Cu/CdS <sub>0.8</sub> Te <sub>0.2</sub> Thin Film Schottky Junction Grown by Thermal Evaporation Technique. | Advance Technologies for Societal Applications                 | SVERI College of Engineering Pandharpur   | Inter National | Conference           | 20-21 Dec. 2016 |
| 57.     | Attended   | Transforming Technology to Commercial Product                  | Rashtriya Uchchatar Shiksha Abhiyan (RUSA) in collaboration with SVERI College of Engineering | National       | Workshop             | 19 Dec. 2016    |

| Sr. No. | Attended/ Participated/ Paper Presented  | Name of Event   | Organizer and Place  | Level          | Conf./ Sem/ Workshop | Year            |
|---------|--|---|--|----------------|----------------------|-----------------|
|         |  |   | Pandharpur   |                |                      |                 |
| 58.     | Poster: Structural, Morphological and Optical Properties of Nanocrystalline CdS <sub>1-x</sub> Se <sub>x</sub> Thin Films Grown by Thermal Evaporation Techniques. | Kathmandu Symposia on Advanced Materials - 2016                               | Nepal Polymer Institute, Pokhara, Nepal  | Inter National | Conference           | 17-20 Oct. 2016 |
| 59.     | Paper: Password Based Digital Security System  | Emerging Trends in Computer & Information Technology                          | Department of Computer Science and Information Technology, Bhusawal Arts Science and P.O. Nahata Commerce College Bhusawal | National       | Conference           | 14-15 Oct. 2016 |
| 60.     | Paper: Fabrication and Characterizations of Cu/ CdS <sub>0.6</sub> Te <sub>0.4</sub> Thin Film Schottky Diode.   | Engineering Physics, Material And Ultrasonic                                  | Department of Applied Sciences, The NorthCap University, Gurgaon   | Inter National | Conference           | 3-4 June 2016   |
| 61.     | Attended   | Advances in Material Processing   | School of Physical Sciences, North Maharashtra University, Jalgaon   | National       | Workshop             | 08 Mar. 2014    |
| 62.     | Paper: Synthesis, Structural And Optical Properties Of Nanostructured Selenium Doped CdS Thin Film For Solar Cell Application.                                     | Global Opportunities for Latest Developments in Chemistry and Technology-2014 | School of Chemical Sciences, North Maharashtra University, Jalgaon   | Inter National | Conference           | 6-8 Feb. 2014   |
| 63.     | Poster: Structural and Optical Properties of Nanostructured Vacuum Evaporated CdS Thin Films.  | Advanced Materials and its Applications                                       | Arts and Science College, Dondaicha, Dhule   | National       | Seminar              | 1-2 Feb 2013    |
| 64.     | Paper Title: Functional Nano Magnetic Oxide  | Advance in Nano-Structured  | Department of Physics, C.H.C. Arts, S.G.P.   | National       | Seminar              | 22-23 Jan.      |

| <b>Sr. No.</b> | <b>Attended/ Participated/ Paper Presented</b>  | <b>Name of Event</b>   | <b>Organizer and Place</b>   | <b>Level</b> | <b>Conf./ Sem/ Workshop</b> | <b>Year</b>    |
|----------------|---|--|--|--------------|-----------------------------|----------------|
|                | Ceramics: Studies Related to Giant Magneto Resistance (GMR)                                 | Materials and Their Applications                                 | Commerce and B.B.J.P. Science College, Taloda, Nandurbar                       |              |                             | 2013           |
| 65.            | Poster: Electrical Properties of Thin Film Resistor Grown by Thermal Evaporation Technique. | Nanostructures and Nanomaterials                                 | UDCT, North Maharashtra University, Jalgaon at Ekalavya Study Center Nandurbar | National     | Conference                  | 28 Mar. 2012   |
| 66.            | Attended  | Recent Trends in engineering Science                             | J.T.M. College of engineering, Faizpur   | National     | Conference                  | 4-5 Jan 2012   |
| 67.            | Participated  | Solar Photovoltaics: Fundamentals, Technologies and Applications | IIT Bombay, at R.C. Patel Shirpur College                                      | National     | Workshop                    | 12-22 Dec 2011 |

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