

Name of the faculty: Mrs. Hemalata Pralhad Bhadane

Mobile No. : +919665826041, +919404161955

E-mail ID : [hbhadane9@gmail.com](mailto:hbhadane9@gmail.com)



|  |  |
|--|--|
| <b>Designation</b>   | Lecturer in Electronic Science   |
| <b>Name of the department</b>  | Electronic Science   |
| <b>Name of College</b>   | Mahatma Gandhi Vidyamandir's L. V. H. Arts, science and Commerce College,<br>Panchavati, Dist. Nashik (MS)-422003 (INDIA)  |
| <b>Name of the Institute</b>   | Mahatma Gandhi Vidyamandir's,<br>6th Floor, Dental College Bldg. Panchavati, Nashik-03   |
| <b>Qualification</b>   | M.Sc. (Electronic Science), M.Phil. (Electronic Science)   |
| <b>Administrative Experience :</b>   | <ol style="list-style-type: none"><li>1. Worked as member of Mentor for M. Sc. - II class at college level.</li><li>2. Worked on various committees formed by authority of college and management</li></ol>  |
| <b>Representation on Academic / Administrative bodies / Member of organizational bodies:</b> | <ol style="list-style-type: none"><li>1. Worked as <b>Member, Competitive Cell</b> at College Level.</li><li>2. Working as <b>Co-ordinator, Skill Development Cell</b> at Departmental Level.</li><li>3. <b>Examiner</b> (Internal/External) for Theory and Practical at B.Sc. and M. Sc. Level conducted by S. P. Pune University, Pune</li></ol> |
| <b>Teaching Experience: 9 Year</b>   |  |
| <b>Awards / Recognitions</b>   | <ol style="list-style-type: none"><li>1. Bal Hutatma Shirish Kumar scholarship from chief minister's fund in 1999</li></ol>  |
| <b>Research Guidance for M.Phil./Ph.D./Project:</b>  | Nil  |
| <b>Contribution as referee:</b>  | Nil  |
| <b>Research Projects:</b>  | <ol style="list-style-type: none"><li>1. WOS-A fellowship, Department of Science &amp; Technology, New Delhi.(2011-14)</li></ol>   |
| <b>Reviewer of Journals:</b>   | Nil  |
| <b>Member of editorial board:</b>  | Nil  |
| <b>Patent / Copyright:</b>   | Nil  |

**Research paper published / presented :****• Papers published in Journal:**

1. **H. P. Bhadane**, E. P. Samuel, D. S. Patil, Optoelectronics and Advanced Materials – Rapid Communications, 3,200 – 203, 2009.
2. **H.P. Bhadane**, E. P. Samuel, and D. S. Patil, Journal of Electromagnetic Waves and Applications, 23, 351–359,2009.
3. **Hemalata Bhadane**, Edmund Samuel, D. K. Gautam, “Influence of Post Annealing on Sol-Gel Deposited ZnO Thin Films”, Surface Review and Letters, 21, 4, 7,2014.
4. **Hemalata Bhadane**, Edmund Samuel, D.K Gautam, “Electrochemically Deposited Nanostructured ZnO thin films for biosensor application”, AIP Conference Proceedings, 1591, 3, 2014.
5. Edmund P Samuel, **Hemalata Bhadane**, Umesh Chandra, D. K. Gautam, “ Sol Gel Spin Coated ZnO Thin Films for Biosensing Applications”, International Journal of Engineering and Technical Research, 2,10,2014.

**• Papers published in Conference Proceedings / Presented:**

1. **H. P. Bhadane**, E. P. Samuel, D. S. Patil, ”Theoretical investigation of optical confinement in ZnO/MgZnO quantum well nanostructure at 375 nanometer wavelength”, International Conference of Biosensors and Nanotechnology,2010.
2. **Hemalata Bhadane**, Edwin Samuel, E.P. Samuel, “Non-Invasive Glucose Concentration Monitoring”, 2nd International Conference on Nanotechnology and Biosensor-2011(ISBN: 978-93-5067-100-9).
3. A.J. Lahari, **Hemalata Bhadane**, E. P. Samuel, “Regression Analysis and Design of Optical Device for the Glucose Concentration Monitoring”, 2<sup>nd</sup> International Conference on Nanotechnology and Biosensor-2011(ISBN: 978-93- 5067-100-9).
4. Jagadish G, **Hemalata Bahdane**, E. P. Samuel, “Analysis of Electrical Characteristics of FET for 2D nano-structured multiple channeled FET”, 2<sup>nd</sup> International Conference on Nanotechnology and Biosensor-2011(ISBN: 978-93- 5067-100-9).
5. **Hemalata Bhadane**, Edmund Samuel, D.K Gautam, “Study the Morphology of ZnO Thin Film by Sol-Gel Method for biosensors”, 17th National Seminar on Physics and Technology of Sensors-2013.

**Books published / chapter in a book: Nil****Conferences/Seminars/ Workshop organized / attended****Attended:**

- 1) 7th INUP Familiarization Workshop on Nanofabrication Technologies during June 4 – 8, 2012 at Centre of Excellence in Nanoelectronics (CEN), IIT Bombay.
- 2) Online Expert Talk on “Recent Advances & Qualitative Research in Electronics” organized by the Department of Electronic Science, K.T.H.M. College, Nashik, during 9th August - 14th August 2021.
- 3) One day online International Workshop on “Fundamentals of Intellectual Property Rights” organized by MGV’s Loknete Vyankatrao Hiray Arts, Science & Commerce College, Panchavati, Nashik on 27th August 2021.
- 4) Seminar on “NAAC Assessment and Accreditation Process: An Overview” organized by Internal Quality Assurance Cell on 18th November 2021.
- 5) National Level Online workshop on “Electronic Design Automation (EDA) Tools” (the component is included under skill enhancement course of CBCS pattern of SPPU) organized by the Department of Electronic Science and Internal Quality Assurance Cell (IQAC), K.T.H.M. College, Nashik. 10th August 2021
- 6) One day online webinar on “Adoption and Implementation of Swayam MOOC Courses- an Institutional Perspective” organized under the aegis of IQAC, MGV’s Loknete Vyankatrao Hiray Arts, Science & Commerce College, Panchavati, Nashik on 18th August 2021.

- 7) National Level Online Webinar on “Health and Personality Development” Organized by PG Department of Zoology and Research Centre, LVH College Panchavati, Nashik, 17<sup>th</sup> December 2021
- 8) Webinar on “Research Methodology” organized by IQAC and Department of Zoology, BOS Zoology (MGV) on 17th February, 2022.
- 9) The National Level Webinar on “Introduction to Robotics and Programming PUMA Robot” jointly organized by Department of Electronic Science and Internal Quality Assurance Cell (IQAC) of. 18th February, 2022
- 10) One day Webinar on “Beautiful Mind” organized by the Department of Psychology and Public Relation Department, MGV OLVH College Panchavati Nashik on 23<sup>rd</sup> Feb. 2022.
- 11) Three day workshop on “Implementation of syllabus for T.Y. B. Sc. Electronic Science CBCS pattern 2021-22” Jointly organized by BOS, Electronic Science SPPU, Pune and Department of Electronic Science, Noweosjee Wadia College, Pune . 14<sup>th</sup> to 16<sup>th</sup> March 2022.

**Organized:**

1. Online 10 Days NET- SET Workshop at Department of Electronic Science L. V. H. College, Panchavati, Nashik- 03
2. Online Webinar on Basics of Python Programming at Department of Electronic Science L. V. H. College, Panchavati, Nashik- 03
3. Workshop on IoT (Internet of Things) at Department of Electronic Science L. V. H. College, Panchavati, Nashik- 03
4. Guest Lecture series on Basics of Python Programming at Department of Electronic Science L. V. H. College, Panchavati, Nashik- 03
5. National Level Webinar on Intellectual Property Rights at Department of Electronic Science L. V. H. College, Panchavati, Nashik- 03
6. Hands on Training Workshop on Mobile Repairing at Department of Electronic Science L. V. H. College, Panchavati, Nashik- 03

**Experience as Resource Person:** Nil

**E-content developed**

1. Website
2. YouTube link