

CURRICULUM VITAE

- 1) **NAME** : **PROF.(DR.) KILLEDAR VILAS VISHNU**
 2) **Designation** : Professor
 3) **Subject & Area of specialization:** Physics-Applied Electronics
 4) **Qualification** : M.Sc., D.C.A., Ph.D.

5) Details of educational qualifications:

Exam.	Board/University	Year	% of marks	Class obtained
B.Sc.	Shivaji University, Kolhapur	1984	70.00	I st class with Dist.
M.Sc.	Shivaji University, Kolhapur	1986	72.00	I st class with Dist.*
D.C.A	CDAC Pune	1993	-	A ⁺ grade
Ph.D.	Shivaji University, Kolhapur	1999	-	-

- **Stood Fifth to the University Merit List.**

6) Teaching Experience : 36 Years at UG

Sr.No	Name of the Institution	From to	Total
1	Arts,Science , Commerce. College, Ramanandngar Dist.Sangali	20/9/86 to 7/8/87	11 M
2	Arts,Science , Commerce. College, Ramanandngar Dist.Sangali	18/8/87 to 25/10/87	2 M
3	Dada Patil Mahavidyalaya, Karjat	26/10/87 to 24/11/87	1 M
4	Annasaheb Awate College,Manchar	6/12/87 to 30/4/03	16 Y 4 M
5	Sadguru Gadage Maharaj College Karad	1/5/2003 to 28/3/2010	6 Y 9
6	Rajarshi Cht. Shahu college, Kolhapur	29/3/2010 onwards	13 Y 2 M

13. Orientation course completed: **01** Refresher courses completed: **03**

14. Achievements

1. Best Rayat Sevak(Reacher) Award, Vatshalya Foundation Kolhapur ,2014
2. Elected as Board of Studies member, Shivaji University Kolhapur,22/10/2017.
3. Best teacher certificate, 4th Rayat vidnyan Parishad Vashi, South Arena region rate Shikshan Sanstha Satara,18/1/2019.
4. Promotion for Professor in Physics, Shivaji University Kolhapur,
5. Appointment as In-charge Principal, RC Shahu College Kolhapur,19/8/2022.
6. Letter of appreciation from principal R.C.Shahu college,Kolhapur,5/9/2022

15. Research activities:

i) Working as M.Phil/Ph.D guide- one student submitted PH.D.Thesis to SUK

ii) **Minor research project: 03**

Completed: 02 (UGC) University: 01

iii) **Research Publications**

i) Journal Publications:

International Level Journal: **10** National Level Journal: **07**

ii) Publications at Conferences/Symposia workshop etc. : 24

a) **Papers published/accepted/submitted to journals & Proceedings**

International Journal	National Journal	Conference, workshop, symposia	Total
10	7	24	41

- **International level Journals**

1. V.V.Killedar, C.D.Lokhande and C.H.Bhosale, 1996, Preparation and characterization of Bi_2S_3 thin films spray deposited from non-aqueous media, *Thin Solid Films*, 289 ,14-16.
2. V.V.Killedar, C.D.Lokhande and C.H.Bhosale, 1997, Preparation and characterization of spray deposited Sb_2S_3 thin films from non-aqueous medium, *Materials Chemistry Journal*, 147, 104-107.
3. V.V.Killedar, C.D.Lokhande and C.H.Bhosale, 1997, Characterization of spray deposited bismuth oxide thin films from non-aqueous medium, *Turkish Journal Physics*, 21,825-830.
4. V.V.Killedar,C.D.Lokhande and C.H.Bhosale, 1998,Effect of complexing agent on the properties of sprayed Bi_2S_3 thin films, *Thin Solid Film Journal*,56,79-83.
5. V. V. Killedar, K. Y. Rajpure, P.S.Patil and C. H. Bhosale, 1999, Transient photoconductivity measurements of spray deposited Sb_2S_3 and Bi_2S_3 thin films from non-aqueous media, *Material Chemistry and Physics*, 2440,1-5.
6. V.V.Killedar, S.N.Katore and C.H.Bhosale, 2000, Preparation and characterization of electrodeposited Bi_2S_3 thin films prepared from non-aqueous media, *Materials Chemistry and Physics*, 8645, 166-169.
7. V.S.Raut, V.V.Killedar, C.D.Lokhande, Synthesis and studies on effect of indium doping on physical properties of electrodeposited CdSe thin films, *J Mater Sci: Mater Electron* (2017) 28:3140–3150 Impact factor 1.84
8. V. S. Raut, C. D. Lokhande, V. V. Killedar, Photoelectrochemical studies on electrodeposited indium doped CdSe thin films using aqueous bath, *Journal of Electroanalytical Chemistry* 788 (2017) 137–143. Impact factor 2.8
9. V. S. Raut, C. D. Lokhande, V. V. Killedar, Studies on effect of pH on structural, optical and morphological properties of chemisysthesied CdSe grains', *International Journal of Engineering Research and Technology*. ISSN 0974-3154 Volume 10, Number 1 (2017) © International Research Publication House.
10. V. S. Raut, P. P. Jadhav, D. K. Dhongade, C. R. Bobade, J. B. Thorat, C. D. Lokhande, V. V.Killedar, Synthesis, Structural and Morphological Analysis of SILAR Synthesized CdSe Thin Films, , *Bulletin of Environment, Pharmacology and Life Sciences*, Special Issue [1]2022 : 1545-1550,©2022 Academy for Environment and Life Sciences, India, Online ISSN 2277-1808.

- **National Level Journals**

1. V.V.Killedar, M.D.Uplane, C.D.Lokhande and C.H.Bhosale,1995,An electronic control system for spray pyrolysis unit, Indian Journal of Pure & Applied Physics. (Lett.) , 33, 73-775.
2. V.V.Killedar, C.D.Lokhande and C.H.Bhosale, 1996, Photo-electrochemical characterization of sprayed Bi_2S_3 thin films from non-aqueous media, Proceedings of NSEC-96,,National Solar Energy Convention held at Jadhavpur University, Calcutta during 27-29 Dec.1996.
3. V.V.Killedar, M.D.Uplane, C.D.Lokhande and C.H.Bhosale, 1998,Design and construction of microprocessor based temperature controller, Communication in Instrumentation Journal , 6 (1), 1-8.
4. V.V.Killedar, C.D.Lokhande and C.H.Bhosale, 1998, (Photo)electrochemical studies on spray deposited Sb_2S_3 thin films from non-aqueous media, Indian Journal of Pure & Applied Physics, 36,33-37.
5. V.V.Killedar, C.D.Lokhande and C.H.Bhosale, 1998,(Photo)electrochemical studies on spray deposited Bi_2S_3 thin films from non-aqueous media, Indian Journal of Pure & Applied Physics, 36,643-647.
- 6.V.V.Killedar and A.A.Surve, 1999, Design and construction of simple I/O card for IBM PC, Indian Journal of Pure & applied Physics, 37, 572-576.
7. V.V.Killedar, Preparation and characterization of electrodeposited CdSe thin films, National Conference on recent trends in Physics, Y.C.Inst. of science satara,10-11 Oct 2014.

➤ **Papers presented in Conferences / Seminars / Symposia etc**

A)Papers presented in International Conferences / Symposia etc.:

- 1) V.V.Killedar, N.S.Gaikwad, C.D.Lokhande and C.H.Bhosale, 1997, Preparation and characterization of spray deposited As_2S_3 thin films from non-aqueous medium, Proceedings of Ninth International Workshop on Physics of Semiconductor Devices, New Delhi, 2, 1189-1192.
- 2) V.V.Killedar, S.N.Katore and C.H.Bhosale, 1999,(Photo)electrochemical studies on electrodeposited Bi_2S_3 thin films from non-aqueous media, Proceedings of Tenth International Workshop on Physics of Semiconductor Devices ,I.I.T., New Delhi ,2, 1250-1253.
- 3) V.V.Killedar,N.S.Gaikwad and C.H.Bhosale, 2000, Preparation and characterisation of Sb_2S_3 thin films from non-aqueous media, Indo-Japanese workshop on Microsystem technology,23-25 Nov 2000,Solid State Physics Laboratory, New Delhi.
- 4) V.V.Killedar,2007, Design and construction of data acquisition card for research laboratory using PC, Proceedings of International conference on Advanced

materials and applications, Deptt. of Shivaji University, Kolhapur, Nov.15-17, 2008

B) Papers presented in National Conferences / Symposia etc.:

1. V. V. Killedar, S. R. Gadakh, C. D. Lokhande and C. H. Bhosale, 1995, Substrate dependent properties of Bi_2S_3 thin films, National Conference on Thin Film Processing and Applications, Department of Physics, Sri Venkateswara University, Tirupati
2. V.V.Killedar, M.D.Uplane, C.D.Lokhande and C.H.Bhosale, 1995, Atomization of spray pyrolysis unit, NCDEMA-95, Department of Physics, Shivaji University, Kolhapur.
3. ,V.V.Killedar, S.R.Gadakh, C.D.Lokhande and C.H.Bhosale, 1995, On preparation and characterization of sprayed Bi_2S_3 thin films prepared at different substrate temperatures, NCDEMA-95, Department of Physics, Shivaji University, Kolhapur
4. V.V.Killedar, S.R.Gadakh, C.H.Bhosale, 1995, Characterization of sprayed Bi_2S_3 thin films prepared from non-aqueous media., NCDEMA, Department of Physics, Shivaji University, Kolhapur
5. V.V.Killedar, C.D.Lokhande and C.H.Bhosale, 1995, Preparation and characterization of sprayed Sb_2S_3 thin films prepared from non-aqueous media, National Seminar on emerging trends in Thin film Technology and device fabrication, Cochin University of science and technology, Kochi
6. V.V.Killedar, C.D.Lokhande and C.H.Bhosale, 1995, Conversion of non-aqueous medium sprayed Bi_2O_3 to Bi_2S_3 thin films. National Seminar on emerging trends in Thin film Technology and device fabrication, Cochin University of science and technology, Kochi.
7. V.V.Killedar, M.D.Uplane, C.D.Lokhande and C.H.Bhosale, 1995, Microprocessor based temperature controller for spray pyrolysis unit, National Seminar on emerging trends in Thin film Technology and device fabrication, Cochin University of science and technology, Kochi.
8. Microprocessor Based control system for spray pyrolysis unit, ASGM-6, I.I.T., Kharagpur, 8-10 Feb.96.
9. V. V. Killedar, M. D.Uplane, C. D. Lokhande and C. H. Bhosale, 1996, Solution concentration dependent properties of Sb_2S_3 thin films prepared from non-aqueous medium Seventh National Convention/ Conference Electrochemists, Dept.of Physics, Shivaji University Kolhapur.
10. V.V.Killedar, C.D.Lokhande and C.H.Bhosale, 1996, Solution concentration dependent properties of Bi_2S_3 thin films prepared from non-aqueous media., Seventh National convention/Conference Electrochemists to be held at Department of Physics, Shivaji University Kolhapur .
11. V.V.Killedar, C.D.Lokhande and C.H.Bhosale, 1998, (Photo)electrochemical characterization of Bi_2S_3 thin films prepared from non-aqueous media, Seminar cum workshop on Materials and characterization, CECRI, Karaikudi (T.N.) .

C) Papers presented in state/University level/other conferences

I) State level workshops/conference etc.

1. Presented paper in UGC sponsored State Level seminar on “Probes and sensors of Physics and electronics in new Millennium”, Organised by Dayananad College of Arts and Science Solhapur, 17-19 Dec.2004.
2. Presented paper in Three day National seminar on Materials for advanced technologies organized by Dept. of Physics Shivaji University Kolhapur during 23-25 Jan.2006.
3. Presented a paper “ TQM in S.G.M .college, Karad” in NAAC Bangalore sponsored two days State Level Workshop on IQAC
4. Presented a paper “ TQM’ in S.G.M.College, Karad”, NAC Bangalore sponsored two days state level workshop on IQAC, Organised by S.G.M.College Karad during
5. Presented a paper “ Energy conservation :Need of future” in UGC sponsored state level workshop on “ Wind Energy”, organized by B.D.Desai college, Patan during 5-6 march 2007.

II) University Level and Other workshops/seminars etc.

1. Research paper presented in One day seminar on Crystalline and Non-crystalline Materials organized by Dept. Of Physics, Shivaji University, Kolhapur on 13 Dec. 1994.
2. Research paper presented in Two day seminar on University - Industry Interaction organised by Dept. Of Physics, Shivaji University, Kolhapur during 23-24 April 1999.
3. Research paper presented in Two day seminar on University - Industry Interaction organised by Dept. Of Physics, Shivaji University, Kolhapur during 23-24 April 1999.
4. Research paper presented in Three day seminar organized by Dept. of Physics, Annasaheb Waghire College, Otur during 30,31 Jan.2001.

➤ Books Published

Sr. No.	Title with page nos.	Type of Book	Publisher & ISBN No.
1	Text Book of Physics Paper-I for B.Sc.I	Text Book (2019)	Utkranti Publication ISBN 978-81-938664-6-7
2	Text Book of Physics Paper-II for B.Sc.I	Text Book (June 2019)	Utkranti Publication ISBN 978-81-938664-5-0
3	Practical workbook for B.Sc.I	Text Book (June 2019)	Utkranti Publication ISBN 978-81-938664-0-5
4	Practical workbook for B.Sc.II	Text Book (June 2019)	Utkranti Publication ISBN 978-81-938664-7-4
5	Understanding of Basic Electronics Devices	Reference Book March 2022 International	LAP LAMBERT ACADEMIC Publishing Republic of Moldova Europe

		Publisher	ISBN 978-620-4-98243-4
6	Text Book of Physics B.Sc.I Part-III Electricity & Magnetism- I	Text book Jan 2023 National Publisher	Nirali Prakashan Pune ISBN978-935451-926-0
7	Text Book of Physics B.Sc.I Part IV Electricity & Magnetism- II	Text book Jan 2023 National Publisher	Nirali Prakashan Pune ISBN 978-93-5451-925-3

➤ **Particulars of other activities (Except teaching & Research):**

a) **Extension work carried out:**

- i) Street play performed in various places in Karad Tahasil to create awareness about the use of non-conventional energy resources.
- ii) Career guidance lecturer to High School students.
- iii) Provided job to more than 40 students (in last two years) through the placement cell of the college.
- iv) Significant contribution towards the erection of Centre for information technology Literacy(CIL) in A. A. college, Manchar Dist. Pune (Computer laboratory costing of Rs.20 lacs)

b) **Co-curricular and extra-curricular activities carried out:**

❖ **Conference /seminars/workshops etc. attended**

International Level	National Level	Sate Level	Uni./Other	total
12	25	15	54	106

❖ **International Level seminars/workshops etc. attended.**

1. IXth International Workshop on Physics of Semiconductor Devices held at Jamia Milia University, New Delhi during 16-20 Dec. 1997.
2. Xth International Workshop on Physics of Semiconductor Devices held at I.I.T., New Delhi during 14-18 Dec. 1999.
3. International seminar on Smart materials, nano-composites, industrial applications and devices held at Dept. of Physics, Shivaji University Kolhapur during 28-29 July 2000.
4. "Global Skill Enhancement Programme" conducted by Infosys BPO at Infosys Leadership Institute, Mysor between
5. International conference on "Advanced Materials And Applications" held at Dept. of Physics, Shivaji University, Kolhapur during 15-17 Nov.2007.
6. Refresher Program for the Global Skill Enhancement curriculum organized by Infosys BPO Ltd.Bangalore at Pune on 7-8 Nov.2008.
7. International conference on Nanomaterials and Applications-2008 held at Dept. of Physics, Shivaji University Kolhapur during 9-11 Dec. 2008
8. Attended International conference on Advanced and applied material Science organied by G.K.G. College, Kolhapur on 15,16 Jan.2014.

9. International conference on Emerging Trends in Engineering Technology and Architecture, DY Patil College of Engineering and Technology Kolhapur, 11/3/2017.
10. Four Days International webinar Lecture Series on "Research Article and Conservations", 11- 14/5/2020, Shahid Virpatni Laxmi Mahavidyalaya, Titave.
11. NAAC Bangalore sponsored one day National seminar on Revised Accreditation Framework of NAAC organised by Shivaji University Kolhapur, 21/2/2019.
12. Chairperson Three days online International Conference on Advances in Science and Technology, R.C. Shahu College Kolhapur 10/3/2022

❖ **National Level seminars/workshops etc. attended**

1. National Conference on Developments in Electronic Materials and their Applications held at Dept. Physics, Shivaji University, Kolhapur during 6-8 March 1995.
2. VIIIth National Convention/Conference of Electrochemists held at Dept. Physics, Shivaji University, Kolhapur during 18 - 20 Nov. 1996.
3. Thirteen day National Workshop on Solid State Sensors: Theory & Applications organized by Dept. of Electronics, Shivaji University Kolhapur, 16-28 June 2003.
4. National seminar on Materials Processing and characterization Techniques (NS- MPCT- 2005) held at Dept. Of Physics, Shivaji University, Kolhapur during 28- 29 March 2005.
5. Three day National seminar on Materials for advanced technologies organized by Dept. of Physics Shivaji University Kolhapur during 23-25 Jan. 2006.
6. Two day National Seminar on New Horizons in Physics organized by Department of Physics, Y.C. Inst. of Satara during 20-12 Jan. 2007.
7. Two day National Seminar on Recent Trends in Composite Materials and Applications organized by Dada Patil Mahavidyalaya, Karjat during 30-31 Jan. 2009.
8. Two day National Seminar on Advances in Coordination Chemistry organized by Department of Chemistry, Rajarshi Chhatrapati Sahhu college, Kolhapur during 17-18 Aug. 2010.
9. Two day National Seminar on Physics of Materials and Material Based Device Fabrication organized by Dept. Physics, Shivaji University, Kolhapur during 17-18 Feb. 2011
10. UGC sponsored two day seminar on Economic development and Global Warming Department of Economics, Rajarshi Chhatrapati Sahhu college, Kolhapur during 27-28 Sept. 2011.
11. NAAC Bangalore sponsored two day National conference on Preparing for Reaccreditation and Third Cycle of Accreditation organized by R.C. Shahu College, Kolhapur during 24-25 Aug. 2012.
12. UGC sponsored National conference on Recent trends in nanotechnology-2012, Vivekananda college, Kolhapur, 14-15 Dec. 2012.
13. Organising committee member, UGC sponsored National seminar on Recent trends in life sciences, organized by R.C. Shahu college, Kolhapur during 28-29 Jan. 2013.
14. Worked as co-convener for the National conference on Recent advances in organometallic chemistry organized by Department of Chemistry, R. C. Shahu college Kolhapur, 20-21 Dec. 2013.
15. Worked as Convener for the National conference on Recent trends and issues in renewable energy organized by Department of Physics, R. C. Shahu college Kolhapur on 27, 28

Jan.2014.

16. Poster paper, National seminar on Recent trends in Physics, Y.C. Inst. of Science Satara, 210-11 Oct. 2014
17. Chairperson, National seminar on qualitative information services in academic library (2014), organized by Department of library, R C. Shahu college Kolhapur, 17-18 Nov. 2014.
18. Worked as Chairperson for national conference on 'Recent trends in nonmaterial' organized by Y.C. Inst. of Science Satara, 28th Sept. 2017.
19. Two Days National workshop on e-content development for blended learning organised by R C Shahu College Kolhapur, 5-6/3/2019.
20. One day National seminar on Mahatma Gandhi's thoughts and its present relevance organiser by R.C. Shahu College Kolhapur, 12/3/2019.
21. Two days National workshop on e-content development organised by Devchand College Arjunagar, 8-9/2/2019.
22. NAAC sponsored one day National seminar on Revised Accreditation Framework of NAAC organised by Shivaji university, Kolhapur, 21/2/2019.
23. 5. One day national seminar on Career Opportunities in Physics, S.G.M. College, Karad, 4/3/2021.
24. 6. One day national seminar on Shifting Paradigms of Higher Education with Dynamics of National Education Policy-2020 and Accreditations of HEIs, K.B.P. College, Urun Islampur, 17-18 March 2023.
25. 7. worked as Convener for one day state level workshop on NEP 2020 organized by Dept. of English, R.C. Shahu college, Kolhapur, 27/8/2022.

❖ *State level seminars/workshops etc. attended*

1. UGC sponsored State Level seminar on "Probes and Sensors of Physics and Electronics in New Millennium", Organised by Dayananad College of Arts and Science Solhapur, 17-19 Dec. 2004.
2. NAAC Bangalore sponsored two days State Level Workshop on The Internal Quality Assurance Cell (IQAC) as a post Accreditation Quality Sustenance Measure organized by S.G.M. College, Karad during, 18-19 Feb. 2006.
3. U.G.C. sponsored Two days State level work shop on "Wind energy" organised by B.D. Desai college, Patan during 5-6 March 2007.
4. UGC sponsored two day workshop on Advanced Techniques to Simplify Electrical and Electronics Experiments organized by Kisan Veer Mahavidyalaya Wai on 9-10 July 2009.
5. UGC sponsored two day seminar on Human Rights education organized by Dept. of Political Science, R.C. Shahu College, Kolhapur during 15-16 Oct. 2010.
6. Worked as resource person for state level workshop organized by Rayat Vidyan Parishad, Rayat Shikshan Sanstha, Satara for science teachers, 29-30 Nov. 2012
7. Worked as resource person for state level workshop organized by Rayat Vidyan Parishad, Rayat Shikshan Sanstha, Satara for science teachers, 6 Dec. 2012
8. Worked as referee for Science exhibition organized at Maharaja Sayajirao vidyalaya Satara by Central Zone Rayat Vidyan Parishad, Rayat Shikshan Sanstha, Satara for science teachers, 16/12/2012.
9. Worked as referee for Science exhibition organized at New English School K. Digraj, Sangali by Southern Zone, Rayat Vidyan Parishad, Rayat Shikshan Sanstha, Satara for Dr. V.V. Killedar, R.C. Shahu college, Kolhapur

science teachers, 19/12/2012.

10. Worked as referee for Science exhibition organized at Rayat Shikshan Snatha's Northern zone Office, Ahmednagar, Rayat Vidyan Parishad, Rayat Shikshan Sanstha, Satara for science teachers, 10/12/2012.
11. Worked as referee for Science exhibition organized at Sadhana Vidyalaya, Hadapsar Pune by Western Zone, Rayat Vidyan Parishad, Rayat Shikshan Sanstha, Satara for science teachers, 19/12/2012.
12. Worked as Subject expert for Research paper selection committee of Rayat Vidyan Parishad, Rayat Shikshan Sanstha, Satara for science teachers, 2,3 Jan.2013.
13. Worked as resource person for state level workshop on Exhibition and presentation of scientific equipments organized by Rayat Vidyan Parishad, Rayat Shikshan Sanstha, Satara for science teachers, 8/1/2013.
14. Worked as chairperson for three days Science Conference organized by Rayat Vidnyan Paraishad Satara during 2-4 Feb.2013 at Y.C.Inst.of science, Satara
15. Worked as Chairperson for three days Science Conference organized by Rayat Vidnyan Paraishad Satara during 28th Feb, 1-2 March 2014 at R.B.N.B. College, Shrirampur.

❖ **University Level /college and Other workshops/seminars etc. attended**

1. Seminar in Physics organized by Dept. of Physics, S.G.M. College, Kopergaon during 24-25 June 1988.
2. Seminar in Physics organized by Dept. of Physics, Yashvanrao Chavan Institute of Science, Satara during 25-26 June 1992.
3. One day seminar on Crystalline and Non-crystalline Materials organized by Dept. Of Physics, Shivaji University, Kolhapur on 13 Dec. 1994.
4. Organized a Three Day Seminar in Physics in A.A.College, Manchar during 17 - 19 Jan 1997.
5. One Day Workshop for framing the T.Y.B.Sc. Physics Practical syllabus at Ferguson College, Pune during 24 Oct.1997.
6. One Day Workshop for framing the revised syllabus for T.Y.B.Sc. Physics class held at Modern College, Pune during 4 Sept.1997.
7. One Day Workshop for framing the revised syllabus for T.Y.B.Sc. Physics class held at Abasaheb Garware College, Pune during 23 Sept.1997.
8. Two day seminar on University - Industry Interaction organised by Dept. Of Physics, Shivaji University, Kolhapur during 23-24 April 1999.
9. One Day Seminar on Information Technology, A.A.College, Manchar, 17 Jan 2001.
10. Two day Seminar on "Concept centered experiments in Physics", organised by Annasaheb Waghare Arts Commerce & Science College, Otur during 30- 31 Jan 2001.
11. One Day Seminar on "Innovative teaching in physics", organized by Dept of Physics, Baburaoji Gholap College, Sangvi(Pune) during 15 Feb 2001.
12. Computer Training Camp organized by Z.P. Pune at M.G.Vidyalaya R'nagar on 2,3 July 2001.
13. One day workshop on "Advances in Microelectronics" organized by VLSI design & Research center, University of Pune, 8 Sept.2001.
14. One day workshop in Physics organized by Dr.D.Y.Patil Arts, Commerce & Science College, Pimpari Pune, 14th Sept.2002.

15. One day seminar in Chemistry organized by Dept. of Chemistry A.A.College, Manchar , 23rd Jan. 2003.
16. One day workshop on “Modeling and Simulation Curriculum at T.Y.B.Sc.”organized by Dept. of electronics, Arts, Commerce & Science College, Hadpsar ,11th Jan 2003.
17. Participated in Blood donation Camp organized by A.A. College, Manchar & donated blood to Vishweshwar blood bank Pimpri Pune on 18 Jan. 2003.
18. One day workshop organized by Student Welfare Department University of Pune, 22nd Feb.2003.
19. One day workshop on” Recent trends in Biophysics & Applied Mathematics” organized by Shri Shiv Chhatrapati College, Junner, 27th Feb. 2003.
20. Two-day workshop on B.Sc.Part-I revised syllabus organized by Dept. of Physics, Shivaji University, Kolhapur during 24th & 25th Sept.2003.
21. One day seminar in “ Energy Resources & Environment” organised by Department of Chemistry, Shahajiraje Mahavidyalaya, Khatav On 28 Sept. 2003.
22. Workshop on draft syllabus of B.Sc.II Physics held at Shahajiraje Mahavidyalaya, Khatav On 20th Jan.2004.
23. Acted as coordinator for one day seminar on “Bio-physics, Photovoltametry and storage cells” organized by Department of Physics. S.G.M.College, Karad on 29th Jan.2004.
24. Two days workshop on B.Sc.Part-III revised syllabus held in Dept. of Physics, Shivaji University Kolhapur during 17-18 Aug.2005.
25. First Convention of IAPT sub 5D held at Vivekanad college, Kolhapur during 10-11 Dec. 2005.
26. One day workshop on Computer Literacy conducted by S.G.M.College, Karad on 17 Dec.2006.
27. Two day workshop on Preparation, Presentation and publication of Scientific Research Papers and Research Project Proposals organised by Y.C.college,Karad during 5-6 Jan. 2007
28. One day workshop on “Challenges in Higher Education” organised by Rayat Shikshan Sansha ,Satara, 14 March 2007.
29. Participated in Global skills enhancement program conducted by Infosys BPO Mysore, 11-23 June 2007.
30. Two day workshop on B.Sc. Biotechnology part-I syllabus organized Dept.of Biotechnology S.G.M. College, Karad during 16-17 March 2007.
31. Coordinator for two day Avishkar programme of Shivaji University Kolhapur held in S.G.M.College, Karad during 1-2 Jan.2008.
32. One day work shop on syllabus utilization of B..Sc. part-II Biotechnology, Vivekanand College, Kolhapur, 21 Sept.2008.
33. One day workshop on “C language programming “,B.D.Desai college, Patan, 11 Feb.2008.
34. One day workshop on “*Mulakhathiche Sadarikaran*” organised by R.C.Shahu college Kolhapur on 17 Jan.2011.
35. One day workshop on Guidance to the students for placement in outsourcing field organized by R.C.Shahu college Kolhapur on 18 Jan.2011
36. One day workshop on Computer Assisted Teaching/Learning Program organized by Vivekanand college,Kolhapur on 1 March 2011.

37. One day workshop on Green Chemistry organized by R.C.Shahu college Kolhapur on 5 March 2011.
38. One day workshop on Guidance to *Mahila Bachat Gat* organized by R.C.Shahu college Kolhapur on 8 March 2011.
39. One day seminar on Duties,Rights and Responsibilities of the Senior College Teachers organized by Datajirao Kadam Arts, Science and Commerce college,Ichalkaranji on 23 Jan.2012.
40. Two day workshop on Virtual University organized by Shivaji University Kolhapur 2-3 Aug.2012 Bhasha Bhuvan Shivaji University Kolhapur.
41. Worked as coordinator for Lead college one day seminar on “Research funding agency, Research proposal writing and Research paper writing, Plagiarism and ethics”, 11/2/2013.
42. Worked as coordinator for Lead College one day seminar on “Soft Skills”, 12/2/2013.
43. Worked as convener for workshop for Science teaches by Rayat Vidnyan Parishad Satar,18/9/2014.
44. Lead college one day seminar in Physics on Recent Developments in Physics, Rajarshi Chhatrapati Shahu College Kolhapur,19/1/2020.
45. Two days lecture series on Issues in Higher Education Organised by Karmaveer Vidya Prabodhini Satara,7-8 May2017.
46. One day workshop on Understanding Choice Based Credit System organised by Vivekanand College Kolhapur,24/6/2018.
47. 4th Rayat Vidnyan Parishad organized by Rayat Shikshan Sanstha Satara at K.B.P. college Vashi,29-30/12/2018.
48. One day workshop on Revised NAAC organised by K.B.P. Institute of Management Studies and Research Satara,13/11/2018
49. Shivaji University Kolhapur sponsored One day workshop on revised B.Sc.II CBCS curriculum of Physics paper VIII organised by Department of Physics Rajarshi Chhatrapati Shahu College Kolhapur,16/9/2019.
50. Workshop on API and CAS promotion to Professorship organised by Shivaji University Teachers Association Kolhapur,6/11/2019.
51. One day workshop on New changed syllabus of B.Sc.II Physics organised by D.P.Bosale college Koregaon,11/10/2019.
52. Prof.Dr. N. D. Patil Vaigyanik Janiwa Prabodhan Abhiyan organised by Maharashtra Andhashraddha Nirmulan Samiti , 3/4/2022.
53. Two days lecture series organised by Karmaveer Vidya Prabodhini Rayat Shikshan Shikshan Sanstha Satara,7-8/5/2022.
54. One Day workshop on New Education Policy , D.Y.Patil Agriculture & Technical University,Talsande, 29th March 2023.

1) Resource person/Guest lectures/chairperson: 37

1. Guest lecture on “Electromagnetic”, Annasaheb Waghire College,Otur.
2. Guest lecture on “Computational methods & C language programming”, Annasaheb Waghire College, Otur.
3. Guest lecture on “Energy Crises”, Junior College NSS camp at Ranjni,2 Jan. 2001.
4. Guest lecture on “Electronics & computer Business”, Shiv Chatrapati College, Junner, 1 Feb.2001.

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5. Guest lecture on “Computer fundamentals & BASIC programming”, Vidya Vikas Mandir, Awasari Bdk, 6 Feb 2001.
6. Guest lecture on “Computer Physics”, Baburaoji Gholap College, Sangvi(Pune), 28 Feb.2001.
7. Guest lecture on “Use of computers in Teaching & learning”, A.A.College, Manchar.
8. Guest lectures on “Fundamentals of C language programming”, Shri Shiv Chatrapati Mahavidyalaya, Junner, 13 ,14, 15 March 2001.
9. Guest lecture on “Information Technology”, Three day personality development workshop organized for High School students by Kalopasak Mandal, Junner on 17 March 2001.
10. Resource person for Refresher course in Physics held at Dept. of Physics, Shivaji University, Kolhapur, 26 July 2001.
11. Guest lecture on “Energy Awareness” ,XIth standard students , A. A. College, Manchar, 20 Dec 2001.
12. Guest lecture on “Energy Awareness in students” ,XIth Science students, A.A.College, Manchar, 25 Aug.2002.
13. Guest lecture on “Use of Arrays & Pointers in C language” ,XIIth Science students , Vidya Vikas Mandir, Awasari Bdk, 20 Dec.2002.
14. Guest lecture on “Non-conventional Energy sources!” ,NSS camp At Gawadewadi, 22 Dec.2002.
15. Guest lecture on “ Digital Fundamentals” for MCA students of Yahvantrao Mohite Inst.of Management, Malakapur (Karad)
16. Guest lecture on “C Language Programming Fundamentals”, Kanya Mahavidyalaya Kadegaon, 6 Feb.2006.
17. Guest lecture on “ IQAC in Colleges”, Raja Shripatrao Bhagavantrao Mahavidyalaya, Aundh, 13th April 2006
18. Guest lecture on “Energy resources”, Xth Std students of Shivaji High School, Karad
19. Guest lecture on “Energy resources”, Xth Std students of Lahoti Kanya Prashala Karad
20. Guest lecture on “Energy resources”, Xth Std students of Holy Family English Medium High School, Karad.
21. Guidance lecture on ‘Personality Development’ for B.Com.I/II/III students of R.C.Shahu college, Kolhapur.
22. Resource person for Rayar Vidnyan Parishad Workshop for teachers, S.G.M. college, Karad, 6/12/2017.
23. Chairperson National Conference on Recent Trends in Nanomaterials organised by Yashwantrao Chavan Institute of Science Satara,28/9/2017.
24. Resource person teachers training programme, Padma Bhushan Dr. Karmaveer Bhaurao Patil Lakshmibai Patil Shaikshanik Sankul Kumbhoj, 27/9/2018.
25. Evaluator for research paper presentation competition Karmaveer Bhaurao Patil College Vashi,29-30/12/2018.
26. Resource person for teachers workshop, Shrimati Rukmini Bai Pandurang Kadam Kanya Vidyalay Umbraj, 13/9/2019.
27. Resource person one day workshop on New changed syllabus B.Sc.II Physics practical, Y. C. College of Science Karad, 21/8/2019.
28. Resource person for one day Teacher workshop on New changed syllabus B.Sc.II Physics, A.S.C. college,Ramanandnagar,23/8/2019
29. Chairperson for Three Day Crash course, Tata Consultancy Services Mumbai, RC Shahu Dr.V.V.Killedar,R.C.Shahu college,Kolhapur

college Kolhapur,1-3/4/2019.

30. Resource person for one day workshop on revised B.Sc.II CBCS curriculum of Physics paper VIII,R.C.Shahu college, Kolhapur, 16/9/2019.
31. Resource person for one day workshop on New change the syllabus of B.Sc.III Physics (CBCS) Laboratory experiments, Balwant College Vita1/2/2021.
32. Resource person for State level students workshop on Effective Learning Methods , Writing Research Papers and Making Posters, Dr. Patangrao Kadam Mahavidyalaya Sangali, 24/2/2021.
33. Resource person for one day National seminar on Career Opportunities in Physics, SGM College Karad, 6/3/2021.
34. Resource person for one day workshop on New changed B.Sc.III CBCS Curriculum of Physics paper IX and XII, R.C.Shahu college, Kolhapur, 3/2/2021.
35. Resource person for one day national e-conference on 'New perspective and opportunities in Physics', Vasntrao Naik Arts, Science and Commerce college, Shahada, 13/10/2021.
36. Resource person for one day workshop on Career Guidance and Poster Competition-2022, Shrimati K.R. Kanya Mahavidyalaya Islampur, 21/5/2022.
37. Chairperson, Lead college workshop on Advances in energy storage technology, Shri Shahaji Mahavidyalaya, Kolhapur, 6/12/2022.

2) Subject expert

1. Subject expert for Principle API checking committee, Shivaji University Kolhapur,17/5/2017.
2. Subject expert on selection committee for the post of Assistant Professor, Mahavir Mahavidyalaya Kolhapur,23/6/2018.
3. Subject expert on selection committee for the post of Assistant Professor, Sanjay Ghodawat University Kolhapur,19/7/2018.
4. Subject expert on selection committee for teacher recruitment in Physics, Sanjay Ghodawat University Kolhapur,24/5/2019.
5. Subject expert on selection committee for teacher recruitment in Physics ,Mahavir Mahavidyalaya Kolhapur,30/6/2019.
6. Subject expert on selection committee for teacher recruitment in Physics ,Patangrao Kadam Mahavidyalaya Sangli,7/3/2020.
7. Subject expert on selection committee for Shikshan Sevak Interview in Physics ,R.C.Shahu College Kolhapur,19/1/2022.
8. Referee for Tehsil level Science Exhibition organized by Joint Director, Higher Education Kolhapur,11/12/2019.
9. Subject expert(VC Nominee) for Faculty recruitment,Y.C.College, Karad,
10. Subject expert, College Teachers Placement, Shivaji University,Kolhapur,12/4/2023.
11. M.Sc.Entrance paper setter, Shivaji University, Kolhapur, 22/4/2023.

3) LIC Committee Shivaji University, Kolhapur

1. Member of expert committee at Jaysingpur college Jaysingpur,5/4/2017
2. Member of expert committee at Vivekanand College Kolhapur,14/7/2017.
3. Member of expert committee at Kishan Damor Education Society saravade,10/7/2018.
4. Member of Shivaji University Kolhapur annual report committee,13/2/2019
5. Member of expert committee at Yeshwantrao Chavan College Karad,3/1/2020.

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6. Member of expert committee at Hemant Bhaiya Saheb Rajamane Mahavidyalay Masood,23/3/2018.
7. Member of expert committee at P,K, Chauhan Patil Kala Vanijya Vidnyan Mahavidyalaya Karvy,27/3/2018.
8. Member of expert committee at Anandi Arts, Commerce and Science Mahavidyalaya Gaganbawda,19/4/2018.
9. Member of expert committee at SGM college Karad,3/7/2019.
10. Member of expert committee at Vivekanand College Kolhapur,15/3/21.
11. Member LIC committee at S.K.patil Mahavidyala, Kurundwad, 17/5/2023.

4) Participation in the activities at the University Level

- Acted as Organising Committee Member in National Conference on Developments in Electronic Materials and their Applications held at Dept. Physics, Shivaji University, and Kolhapur during 6 -8 March 1994.
- Resource person for Refresher course in Physics held at Dept. of Physics, Shivaji University, Kolhapur, 26 July 2001.
- Prepared the skeleton for B.Sc.Part-I and II theory course, Pune University. (1997)
- Worked as Subject expert for Teachers appointments in Pune University (Three times)(1995-2000)
- Prepared the skeleton for B.Sc.part-II paper IV theory course revised new syllabus, Shivaji University Kolhapur (2003).
- Working as Chairman for BioPhysics, B.Sc.Biotechnology ,Shivaji university.
- Prepared the skeleton for B.Sc.Biotechnology part-I and Part-III Biophysics theory course Revised New syllabus, Shivaji University Kolhapur.
- Acted as subject expert for committee formed for Teacher fellowship scheme of UGC,Y.C.college, Karad 29/4/2008 Working as Examiner, Moderator for University Examinations.
- Participated in 13 days “Global Skill enhancement program “ training conducted by Infosys BPO Mysore Under Project genesis of Shivaji University Kolhapur

5) Participation in the activities at National and state level activities

- Acted as organising Committee Member for in National Conference on Developments in Electronic Materials and their Applications held at Dept. Physics, Shivaji University, and Kolhapur during 6 -8 March 1994.
- Organized a Three Day Seminar in Physics in A.A.College, Manchar during 17 - 19 Jan 1997.
- Acted as Co-ordinator for One Day Seminar in Information Technology, A.A.College, Manchar, 17 Jan 2001.
- Acted as Resource person for refresher course organized by Dept. of Physics, Shivaji University, Kolhapur.
- Acted as coordinator for one day seminar on “Bio-physics, Photovoltametry and storage cells” organized by Department of Physics, S.G.M.College, Karad on 29th Jan.2004.
- Acted as Advisory Committee member for NAAC Bangalore sponsored two Day State

Level Workshop on IQAC ,Organized by S.G.M.College Karad during

- Acted as Advisory Committee member for U.G.C. sponsored two Day State Level Workshop on “wind Power”, organized by B.D.Desai college Pathan during 5-6 March 2007.
- Attended and presented research papers in **4** International level Workshops and National level Conferences and more **16** state level workshops.
- Worked as Principal Investigator for Minor Research project sponsored by U.G.C. New Delhi and Shivaji University Kolhapur.

7) Participation in the activities at College level

- Acting as Coordinator for Placement cell of S.G.M.College,Karad and organizing students Interviews with the help of Mitech Pune.
- Worked as Chairman for Science exhibition organized by A.A.College, Manchar.
- Delivered lectures in nearby High Schools to cultivate the scientific temper amongst the students.
- Delivering guidance lecture on interview skill, personality development to college students.
- Participation in Remedial Coaching program for SC/ST students.
- Organization of Self Financing course entitled “Repairing and Maintenance of Home Appliances” in the Department.
- Acted as Organizing Committee Member for National Conference on Developments in Electronic Materials and their Applications held at Dept. Physics, Shivaji University, Kolhapur during 6 -8 March 1994.
- Organized a Three Day Seminar in Physics in A.A.College,Manchar during 17 - 19 Jan 1997.
- Acted as Co-ordinator for One Day Seminar in Information Technology, A.A.College, Manchar, 17 Jan 2001.
- Acted as coordinator for one day seminar on “Bio-physics, Photovoltametry and storage cells” organized by Department of Physics, S.G.M.College, Karad on 29th Jan.2004.
- Worked as Chairman for Science exhibition organized by S.G.M.College,Karad (2004).
- Participated in Maha Charcha on “Environment and Pollution” organized in S.G.M.college,Karad.
- Acted as Advisory Committee member for NAAC Bangalore sponsored two Day State Level Workshop on IQAC, Organized by S.G.M.College Karad during.
- Delivered more than 14 guest lectures at various places.
- Working as Editor for Departmental Wall paper entitled “**KALPANA**” and Publishing Scientific Information with the help of students.
- Guiding & conducting students seminar using the recent teaching aids such as O.H.P. and LCD projectors.
- Increasing students interest in the subject by doing small research projects.
- Students are encouraged to participate in the activities taking place at University/State level.

- Preparation of Charts and models with the help of students and using these for high school students.
- Organising study tour /excursion for student.
- Organization of Guest lectures of imminent personalities in the subject for the Physics students.

8) Consultancy work carried out (Give details on a separate sheet)

- Providing free guidance about preparation of various proposals submitted to UGC and University to the faculty from colleges in rural area.
- Provided technical assistance to Mr.V.J.Patil in designing domestic wind power generating unit at his residence.
- Provided technical assistance to local wind power generating fabricator.
- Provide consultancy to Mahaveer Mahavidyalya,Kolhapur regarding Science Lab design.

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Prof.(Dr.) V. V. Killedar