

## CURRICULUM VITAE



1. **Name** : Dr. Kishor Babanrao Raulkar
2. **Present Designation** : Professor  
*Date of Appointment in Present Institution* : 01-08-2005  
*Date of placement in Senior Scale* : 01-08-2011  
*Date of Placement in Selection Grade/Reader* : 01-08-2016  
*Date of Placement as an Associate Professor* : 01-08-2019  
*Date of Placement as Professor* : 01-08-2022

3. **Address (including Telephone /Mobile & E-mail)**: 68, Sant Gadge Baba Colony,  
Mardi Road,  
Amravati 444 602  
Mobile: 9822815119

4. **Date of Birth**: 06 July 1978

5. **Academic Qualifications:**

S.No.	Degree	Board/Univ.	Year	Division	Merit
1	S.S.C.	Nagpur	1994	First	----
2	H.S.C.	Nagpur	1996	Second	----
3	U.G.	Nagpur	1999	First	----
4	P.G.	Nagpur	2001	First	First Merit & Gold Medalist
5	M.Phil.				
6	Ph.D.	SGB Amravati University Amravati	July 2012	Awarded	-----
7	SET	Pune	Feb. 2003	Passed	-----

6. **Experience:**

- i) **Teaching (Specify UG & PG) : 19 years at UG Level,  
19 Years at PG Level**
- ii) **Research (Specify Scholar / Supervisor) 5 Years as a research scholar  
14 Years as a Research Supervisor**
- iii) **Extension / Administrative: Worked as Officer in Charge for 12 SGBAU exams and  
03 Home exams.**

7. **Publications (Specify books/articles/research articles/others)**

A) **Journal Papers**

Sr. No.	Title with page nos.	Journal	ISSN / ISBN No.	Whether peer-reviewed Impact Factor, if any	No. of co-authors	Whether Refereed / other Journal as notified by the UGC#
1.	Polyvinyl Chloride –Polymethyl Methacrylate Micro-Composite Polymers: Miscibility (PP 583-587 )	Journal of Electron Devices, Vol. 11, 2011	ISSN: 1682-3427	Peer-reviewed & UGC Approved	6	Peer-reviewed and Refereed
2.	Application Of Metal Oxide Thick Film As A Nh3 Gas Sensor (PP 544-550)	Journal of Electron Devices, Vol. 11, 2011	ISSN: 1682-3427	Peer-reviewed & UGC Approved	3	Peer-reviewed and Refereed
3.	Study of CO2 gas detection by multilayer SnO2-ZnO-PPy sensor (PP 143-148)	Int. Res. J. of Science & Engineering, 2017; Special	ISSN: 2322-0015	Peer-reviewed & UGC Approved	6	Peer-reviewed and Refereed

		Issue A1				
4.	Conducting Polymer Polyaniline as CO <sub>2</sub> gas sensor, (pp 494-500)	Int. Journal of ChemTech Research CODEN (USA): IJCRGG, Vol.10 No.7, 2017	ISSN: 0974-4290, ISSN(Online):2455-9555	Peer-reviewed & UGC Approved	5	Peer-reviewed and Refereed
5.	Stability of CO <sub>2</sub> gas sensor by doping nano ZnO in conducting polymer Polyaniline (PP 149-154)	<i>Int. Res. J. of Science &amp; Engineering</i> , 2017; Special Issue A1	ISSN: 2322-0015	Peer-reviewed & UGC Approved	5	Peer-reviewed and Refereed
6.	Study of DC Conductivity of Polypyrrole doped with SnO <sub>2</sub> Nanocomposites (PP 1249-1253)	International Journal of Scientific Research in Science, Engineering and Technology, IJSRSET   Volume 4   Issue 1, 2018	Print ISSN: 2395-1990   Online ISSN: 2394-4099	Peer-reviewed & UGC Approved	3	Peer-reviewed and Refereed
7.	Study of Effect of ZnO on Changing Electrical Properties of Polypyrrole Composites (PP 126-131)	International E-Research Journal, Special Issue 110 (I)-Physics, February-2019	ISSN : 2348-7143	Peer-reviewed & UGC Approved	2	Peer-reviewed and Refereed
8.	Detection of Carbon Dioxide Using Conducting Polymer Polypyrrole and Polyaniline (PP 180-185)	International E-Research Journal, Special Issue 110 (I)-Physics, February-2019	ISSN : 2348-7143	Peer-reviewed & UGC Approved	6	Peer-reviewed and Refereed
9.	Investigations of Polymer Blends: Variation of Conductivity and Dielectric Constant Versus Frequency (PP 246-249)	International E-Research Journal, Special Issue 110 (I)-Physics, February-2019	ISSN : 2348-7143	Peer-reviewed & UGC Approved	5	Peer-reviewed and Refereed
10.	Water vapour sensing mechanism of PANI doped with ZnO nanocomposites (PP 250-253)	International E-Research Journal, Special Issue 110 (I)-Physics, February-2019	ISSN : 2348-7143	Peer-reviewed & UGC Approved	5	Peer-reviewed and Refereed
11.	Study of AC Electrical Conductivity and Dielectric Properties of Polypyrrole Based ZnO Nanocomposites (PP 254-258)	International E-Research Journal, Special Issue 110 (I)-Physics, February-2019	ISSN : 2348-7143	Peer-reviewed & UGC Approved	5	Peer-reviewed and Refereed
12.	Fabrication and Application of Polypyrrole (PPy)-ZnO composites to sense NH <sub>3</sub> gas at room temperature (PP 289-294)	International E-Research Journal, Special Issue 110 (I)-Physics, February-2019	ISSN : 2348-7143	Peer-reviewed & UGC Approved	0	Peer-reviewed and Refereed
13.	Study on sensitivity of nano SnO <sub>2</sub> -ZnO composites with and without PPy layer for sensing	Elsevier Publication Ltd Materials Today:	ISSN: 2214-7853	Impact factor <b>24.372</b> Thomson	0	Peer-reviewed and Refereed

	CO <sub>2</sub> gas (PP 604-610)	Proceedings2019		Reuters		
14.	Study of DC conductivity of PPy-ZnO Nanocomposites (PP 595-603)	Elsevier Publication Ltd Materials Today: Proceedings2019	ISSN: 2214-7853	Impact factor <b>24.372</b> Thomson Reuters	5	Peer-reviewed and Refereed
15.	Study On Sensitivity and Dynamic Response Of Ppy-ZnO Nanocomposites Sensor To Sense NH <sub>3</sub> Gas (PP 80-85)	Vidyabharati International Interdisciplinary Research Journal 9(2) 2019	ISSN 2319-4979	Peer-reviewed & UGC Approved	6	Peer-reviewed and Refereed
16.	Comparative Study Of Electrical Conductivity Of Proton Polymer Electrolyte With Different Nanofiller (PP 354-359)	Aayushi International Interdisciplinary Research Journal Impact Factor 6.293 ( Special Issue No.70 )	(ISSN 2349-638x)	Peer-reviewed & UGC Approved	5	Peer-reviewed and Refereed
17.	Study on electrical behaviour of polyaniline doped with various weight percentage of ZnO (PP 001-007)	Journal of Physics: Conference Series 1644 (2020) 012043 IOP Publishing	Online ISSN: 1742-6596 Print ISSN: 1742-6588	Peer-reviewed & UGC Approved	00	Peer-reviewed and Refereed
18.	Pure Zinc Oxide Based Nono Thick Film For Water Vapour Sensing Application (PP 289-293)	International Multidisciplinary Multilingual Peer Reviewed Research Journal, VOL.7   ISSUE 3   SEP 2020	ISSN 2394 - 7632	Peer-reviewed & UGC Approved	03	Peer-reviewed and Refereed
19.	Study Of Effect Of Nanoparticles Of Tio <sub>2</sub> On Changing Electrical Properties Of Polypyrrole Composites (PP 89-98)	National Peer-Reviewed e-journal Special Issue-3, 2020 UPA	ISSN : 2455-4375	Peer-reviewed & UGC Approved	00	Peer-reviewed and Refereed
20.	Application Of Co <sub>2</sub> Gas Sensing Properties Of P Type Fe Doped Sno <sub>2</sub> Sensor (PP 194-201)	National Peer-Reviewed e-journal Special Issue-3, 2020 UPA	ISSN : 2455-4375	Peer-reviewed & UGC Approved	07	Peer-reviewed and Refereed
21.	Polymer-Metal Oxide Composite (PPy-MoO <sub>3</sub> ) for Ammonia and Ethanol Gas Sensor (PP_2100049 (1 -5)	Macromol. Symp. 2021, 400, 2100049, Wiley-VCH GmbH, Weinheim	Online ISSN:1521-3900	Peer-reviewed & UGC Approved	7	Peer-reviewed and Refereed
22.	Fabrication And Applications Of (Sno <sub>2</sub> -Zno)/Polypyrrole(Ppy) Coaxial Nanocables To Response Nh <sub>3</sub> Gas (PP-209-214)	Vidyabharati International Interdisciplinary Research Journal 12(1) 2021	ISSN 2319-4979	Peer-reviewed & UGC Approved	00	Peer-reviewed and Refereed
23.	Synthesis And Antibacterial Studies Of Some Pt(Ii) And Ni(Ii) Complexes Of Semicarbazone Schiff's Base Derived From Some Chalcons (PP137-142)	Vidyabharati International Interdisciplinary Research Journal 12(1) 2021	ISSN 2319-4979	Peer-reviewed & UGC Approved	8	Peer-reviewed and Refereed
24.	Study Of Cuo-Tio <sub>2</sub> Composite Thick Film As A Gas Sensor For Ammonia Gas (Nh <sub>3</sub> ) (PP150-156)	Vidyabharati International Interdisciplinary Research Journal 12(1) 2021	ISSN 2319-4979	Peer-reviewed & UGC Approved	7	Peer-reviewed and Refereed
25.	Effect Of Laser Irradiation On Js-	Vidyabharati	ISSN 2319-	Peer-reviewed	8	Peer-reviewed

	335 Soybean Seeds Of Four Different Aged Seeds (Pp 157-161)	International Interdisciplinary Research Journal 12(1) 2021	4979	& UGC Approved		and Refereed
26.	Fabrication And Applications Of (Sno2-Zno)/Polypyrrole(Ppy) Coaxial Nanocables To Response Nh3 Gas (Pp 209-214)	Vidyabharati International Interdisciplinary Research Journal 12(1) 2021	ISSN 2319-4979	Peer-reviewed & UGC Approved	00	Peer-reviewed and Refereed
27.	Study Of Composite Metal Oxides Gas Sensors For Efficient Carbon Dioxide Gas Sensing Device (PP 15-22)	JETIR June 2021, Volume 8, Issue 6	(ISSN-2349-5162)	Peer-reviewed & UGC Approved	7	Peer-reviewed and Refereed
28.	Sol-Gel Synthesis and Characterization of SnO <sub>2</sub> - PPy Multilayer Thick Films (IJRST) 2023, Vol. No. 13, Issue No. 2, Apr-Jun pp 67-77	International Journal of Research in Science and Technology <a href="http://www.ijrst.com">http://www.ijrst.com</a>	e-ISSN: 2249-0604, p-ISSN: 2454-180X	Peer-reviewed & UGC Approved	02	Peer-reviewed and Refereed
29.	Tin Oxide (SnO <sub>2</sub> ) Doped with Polypyrrole (PPy) Screen-printed Multilayer CO <sub>2</sub> Gas Sensor (IJRST) 2023, Vol. No. 13, Issue No. 2, Apr-Jun pp 78-83	International Journal of Research in Science and Technology <a href="http://www.ijrst.com">http://www.ijrst.com</a>	e-ISSN: 2249-0604, p-ISSN: 2454-180X	Peer-reviewed & UGC Approved	02	Peer-reviewed and Refereed
30.	Fabrication of SnO <sub>2</sub> doped TiO <sub>2</sub> Metal Oxide Sensor with Ppy layer to sense CO <sub>2</sub> Gas Vol.11, Issue.5, pp.31-36, October 2023	International Journal of Scientific Research in Physics and Applied Sciences	E-ISSN: 2348-3423 Available online at: <a href="http://www.isroset.org">www.isroset.org</a>	Peer-reviewed & UGC Approved	02	Peer-reviewed and Refereed
31.	Fabrication of Nano-structured SnO <sub>2</sub> -V <sub>2</sub> O <sub>5</sub> Composite Thin Films for Enhanced Gas Sensing Performance Volume 11   Issue 9   Print ISSN: 2395-6011   pp 71-77, 27 Feb, 2024	International Journal of Scientific Research in Science and Technology (www.ijrst.com)	Online ISSN: 2395-602X (www.ijrst.com)	Peer-reviewed & UGC Approved	02	Peer-reviewed and Refereed
32.	Electrical Applications of SnO <sub>2</sub> doped with ZnO Ammonia gas sensor Volume 11   Issue 9   Print ISSN: 2395-6011   pp 91-97, 27 Feb, 2024	International Journal of Scientific Research in Science and Technology (www.ijrst.com)	Online ISSN: 2395-602X (www.ijrst.com)	Peer-reviewed & UGC Approved	02	Peer-reviewed and Refereed
33.	Applications of SnO <sub>2</sub> doped with PPy Ammonia Gas Sensor Volume 11   Issue 9   Print ISSN: 2395-6011   pp 119-123, 27 Feb, 2024	International Journal of Scientific Research in Science and Technology (www.ijrst.com)	Online ISSN: 2395-602X (www.ijrst.com)	Peer-reviewed & UGC Approved	02	Peer-reviewed and Refereed

## B) Conference Papers (Abstracts / Full length Paper)

Sr.	Title of the Paper	Name of the Conf./Seminar Workshop, Venue and Duration	Level
1.	Temperature and Electric Field Dependence of DC Electrical Conductivity of 4:1 PVC- PMMA Polyblend thin films doped with Cinnamic Acid	National Seminar on Current Trends in Material Sciences: Organized by Shri. Dr. R. G. Rathod Science and Arts College, Murtizapur Dist. Akola on 3 <sup>rd</sup> Dec. 2011	National
2.	Study on Ammonia Gas sensitive properties of thick films polypyrrole in multilayer	National Seminar on Current Trends in Material Sciences: Organized by Shri. Dr. R. G. Rathod Science and Arts College, Murtizapur Dist. Akola on 3 <sup>rd</sup> Dec. 2011	National
3.	Study on Ammonia gas sensitive properties of thick film polypyrrole in multilayer	National Seminar on Current Trends in Material Sciences: Organized by Shri. Dr. R. G. Rathod Science and Arts College, Murtizapur Dist. Akola on 3 <sup>rd</sup> Dec. 2011	National
4.	Study of Effect of ZnO on Changing Electrical Properties of Polypyrrole Composites	International E- Research Journal, Special Issue 110 (I)- Physics, February-2019	National
5.	Detection of Carbon Dioxide Using Conducting Polymer Polypyrrole and Polyaniline	International E- Research Journal, Special Issue 110 (I)- Physics, February-2019	National
6.	Investigations of Polymer Blends: Variation of Conductivity and Dielectric Constant Versus Frequency	International E- Research Journal, Special Issue 110 (I)- Physics, February-2019	National
7.	Study of AC Electrical Conductivity and Dielectric Properties of Polypyrrole Based ZnO Nanocomposites	International E- Research Journal, Special Issue 110 (I)- Physics, February-2019	National
8.	Fabrication and Application of Polypyrrole (PPy)-ZnO composites to sense NH <sub>3</sub> gas at room temperature	International E- Research Journal, Special Issue 110 (I)- Physics, February-2019	National
9.	Water vapour sensing mechanism of PANI doped with ZnO nanocomposites	International E- Research Journal, Special Issue 110 (I)- Physics, February-2019	National
10.	Electrical and Sensing Applications of ZnO doped with PPy to study Ammonia Gas	National Conference on "Recent Advancements in Science & Technology" ISBN : 978-81-19931-25-5 , held at Vidya Bharati Mahavidyalaya, Amravati	National
11.	Photovoltaic applications of SnO <sub>2</sub> gas sensor	--do--	National
12.	Ammonia Gas Sensing Application of Nano-composites of SnO <sub>2</sub> Doped with ZnO & Polypyrrole	--do--	National
13.	Fabrication of Nano-structured SnO <sub>2</sub> Powder by Sol-Gel Method	--do--	National
14.	Study of Doping Metal Oxides Gas Sensor for Efficient CO <sub>2</sub> Gas Sensing	--do--	National
15.	Fabrication and Application of SnO <sub>2</sub> doped ZnO to sense CO <sub>2</sub> Gas	--do--	National
16.	Humidity Sensors: AlCl <sub>3</sub> -Dipped Nanocrystalline Magnesium Oxide	--do--	National
17.	Advances and Perspectives in Nanotechnology: A Short Review	--do--	National
18.	Synthesis and Characterization of NB-UVB emitting Yttrium	--do--	National

	phosphate phosphor		
19.	Photoluminescence Studies of Eu (III) activated YBaB9O16 phosphor	--do--	National
20.	Investigation of AC electrical analysis of EC/PVC blend films	--do--	National
21.	Investigation of DC electrical properties of EC/PVC blends	--do--	National
22.	Synthesis and characterization of SnO2 nanoparticles by Sol-gel Method	--do--	National
23.	Review of synthesis of nanoparticles by various methods	--do--	National
24.	Review on Metal Oxides Based CO2 Gas Sensors	--do--	National

### 8. Projects (mention both completed & ongoing): Minor research Project

Title of the Project	Completed/ Ongoing	Funding Agency Lett. No.	Remark
Study On NH <sub>3</sub> Gas Sensitive Properties and Sensitive Mechanisms of Polypyrrole and Metal Oxide Semiconductor Thin Films	Completed	File No.: 47-1216/09(WRO)	Amount 1,80,000/-
Exploitation Of Nanostructured Stannic Oxide As A Ammonia Gas Sensor	Completed	College level	Amount 10000 /-

### 9. No. of M.Phil. Students Guided: Nil

**10. No. of Ph. D. Students Guided:** Nil (Awarded)  
02 (thesis submitted)  
06 (Working)

### 11. Memberships / Linkages:

Name of the Organization	Level	Nature of Linkage Annual / Life Membership	Year from which the linkage is established
Materials Research Society of India Bangalore (MRSI)	National	Life membership (LMB 1112)	2009
Life Member : Indian Physical Society	National	Life membership	2006
Member of Society for Technologically Advanced Materials of India	National	Life membership LM 109	2015
Life Member : Amravati University Physics Teachers' Association	National	Life membership	2005

### 12. Activities (Work as Resource Person/Participation in Seminars / Conferences / Symposia / Workshops / Refresher Courses / Orientation Courses at College / Univ. / National / International level)

#### A) Participation as Resource Person:

Name of the activity	Date	Venue	Level
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Workshop on Preparation for NET/SET Exam in Science Subject	3Sept 2010	Vidya Bharati Mahavidyalya, Amravati	National
One day workshop organized by National Forum for Quality Education Nagpur	12 Nov 2010	National Forum for Quality Education Chandrapur	National

**B) Participation as a Delegate: (upto 31<sup>st</sup> Dec. 2004 & onwards)**

Name of the activity	Date	Venue	Level
State Level Seminar on Recent Trends in Telecommunication	1 Feb, 2003	D. A. College Nagpur	Other
National Seminar on Advanced Material	20 Dec 2003	Kamala. Nehru Mahavidyalaya, Nagpur,	National
National Seminar on Recent Trends In Math	11 Jan 2004	Kamala. Nehru Mahavidyalaya, Nagpur,	National
National Seminar on Advanced Material	1 Feb 2004	Kamala. Nehru Mahavidyalaya, Nagpur,	National
<b>After 31<sup>st</sup> Dec. 2004 onwards</b>			
National Seminar on Materials Preparation and Characterization	28-29 Mar, 2006	Dept. of Physics, R.T. M. Nagpur University, Nagpur MS,	National
State Level Seminar on Human Rights Awareness Education	26 Dec. 2007	Vidya Bharati Mahavidyalaya, Amravati,	State
A Workshop on Pure Physics Curricula in Contemporary Universities: Challenges and Innovations (Convention of AUPTA)	26th April 2009	Vidya Bharati Mahavidyalaya, Amravati M.S,	University
Total Solar Eclipse -2009	13-14 June 2009	SGB Amravati University, Amravati 13-14 June 2009	National
International conference on English Language and literature today	12-13 Nov. 2009	Vidya Bharati Mahavidyalaya, Amravati M.S., 12-13 Nov. 2009	International
A Seminar on Current Challenges in Physics Education and Annual Convention of AUPTA	25 Apr 2010	Shri. Shivaji College, Amravati	National
National Conference on Materials Science: Trends & Future -2010	Jan.6-7, 2010	Vidya Bharati Mahavidyalaya, Amravati M.S.,	National
<b>Refresher Course:</b>	22 Feb 2010-14 Mar 2010	UGC- ASC, RTM Nagpur University, Nagpur	National
<b>Orientation Course:</b>	3-27 Jan 2011	UGC- ASC, S. G. B. Amravati University, Amravati	National
One day Workshop on Solid State Ionics	1 Mar 2011	VNIT, Nagpur	National
One day Workshop "Vivekanandas Scientific Approach through Einstein's Brain"	11 Oct. 2011.	PGTD Physics, SGB Amravati University, Amravati,	University
<b>मराठी विश्वकोशराजस्पर्धाव ग्रन्थप्रदर्शन</b>	10,11 Aug. 2012	Library and Information Science Department, Vidya Bharati Mahavidyalya, Amravati	State
Participated in National Conference On Recent Trends In Physics (NCRTP 2012) 26-27 OCT.2012	26-27 OCT.2012	Mungasaji Maharaj Mahavidyalaya Darwha Dist Yavatmal (M.S.)	National
Participated in "One Day Workshop on Construction of Regulated Power Supply".	3 <sup>rd</sup> March 2013	Department of Physics, Bhartiya Mahavidyalaya, Amravati	University level
<b>Refresher Course:</b>	11 Dec. To 31	UGC- ASC, S. G. B. Amravati	National

	Dec. 2013	University, Amravati	
<b>Refresher Course:</b>	27.10.2014 to 15.11.2014 (3 Weeks)	UGC- ASC, S. G. B. Amravati University, Amravati	National
<b>Short Term Course in Environment Conservation</b>	27.08.2018 to 01.09.2018 (6 days)	UGC- ASC, S. G. B. Amravati University, Amravati	National
<b>Short Term Course in Soft Skill &amp; Personality Development</b>	17.12.2018 to 22.12.2018 (6 days)	UGC- ASC, S. G. B. Amravati University, Amravati	National

**C) Participation as Chair Person / Referee for Research Paper / Special Guest / Member LOC / Master of Ceremony:**

Name of the activity	Date	Venue	Level

**13. Achievements / Awards:**

**14. Innovations:**

Innovative methods in teaching

Use of ICT in T/L process with computer-aided methods like powerpoint presentations and simulation from e-resources etc.
Learning Methodologies (PDF Papers, articles, dissertations etc.)
Group Discussion (during review and project work)
Developing and imparting remedial and NET courses and Seminar
Career counseling to M.Sc. , B.Sc. students
Demonstrated basic experimental ideas to B.Sc. students
Developed soft skill of students to draw graphs using Origin and MS Excel software.

**Patents Awards:**

Sr. No.	Title of Patents	Award conferring Organization	National/ International	Patent Number
1.	A Study to Analyse the Impact of Artificial Intelligence and Machine Learning in Nuclear Physics	Patent Publication India	International	202311002700 A Dated
2.	Utilisation of Photovoltaic Powered Wireless Tags in Flexible Perovskites to Support the Smart IOT World	Patent Publication India	International	202311011179 A Dated
3.	Artificial Intelligence Based Approach To Analyse The Bismuth Silver Pnictohalide Alternative To Perovskite In Fully Printable Triple Mesoscopic Solar Cells	Patent Publication India	International	202321032584A Dated 16.6.2023
4.	Design Of Compact And Internet Of Things Based Speedometer	Patent Publication India	International	Design No. : 387196-001 Dated 27.5.2023
5.	Deep Learning Based Approach For Analysis Of Magnesium bismuth ferrite Nitrogen-Doped Carbon Nanomagnetic Perovskite With Their Synthesis And Characterization As A High-Performance Electrode In A Supercapacitor For Energy Storage	Patent Publication India	International	202331057457 A Dated 13.10.2023
6.	Artificial Intelligence-Based Approach To Study The Impact Of Temperature On Dielectric Properties Of Bismuth Ferrite (Bifeo3) Nanoparticles For Pv Applications	Patent Publication India	International	202321055632 A Dated 06.10.2023



## 15. Extra curricular and Co-curricular Activities:

### A) College Level

#### 1) Currently Working as

- Convener: Prospectus committee
- Member: Admission committee
- Member: Discipline committee.
- Member: IQAC (criterion VII)
- Member: Culture Activity committee.
- Member: Examination committee.
- Articles / Chapters published in Books:

Editor	International E- Research Journal, <i>Special Issue 110 (I)- Physics</i> , February-2019,	<b>International</b>	ISSN : 2348-7143,
A text book of Physics	A text book of Physics for BSc Sem VI	University level	ISBN 13: 978-93-87278-30-1

- Giving the information to the students about various competitive examination and their announcements in print media during College hours
- Students- Parents-Teachers meeting at their home during other time than College hours (Tutor Ward System)
- Guided to the PG Students for the preparation of NET/SET examination.
- Educational tour of BSc III Students to Mahabaleshar, Lawasa, Khandala 24.12.2016 to 28.12.2016
- Educational tour of BSc II students to visit Raman Science Centre, Nagpur on 04.03.2017
- Participation in Admission Committee as member of B.Sc. (P.C.M) Group Admission.
- Participation in Security and Discipline Committee as member as well as convener
- Worked as Officer In Charge in the Uni. Examination at Centre 126.
- Worked as Presiding officer for AMC election 2017 on 21.02.2017
- *PG Student Seminar Counseling*
- NSS Camp and Interaction with students at Karala Village
- NGO Visit and Interaction under GEMS Activity
- Worked as member of Annual Students Gathering Organization under GEMS Activity
- Worked as member of Students Anand Mela Organization under GEMS Activity
- Worked as member of Teachers-Students Sport Carnival Organization under GEMS Activity
- Worked as member of Blood Donation Camp Organization
- Worked as member of Tree Plantation and Cleanness Drive Organization
- Worked as member of Students Health Check up Camp Organization
- Worked as convener of College Degree Distribution programme-2022

#### 2) Worked in the Past as:

- Member: Admission committee
- Member: Discipline committee.
- Member: UGC committee.

## B) University Level:

### 1) Examination & Curriculum Related Bodies:

Paper setting of MSc Sem 3 Statistical Mechanics dated 27.09.2016
Worked as an external examiner for BSc sem I & BSc. Sem 3 university Winter 2016 Practical exams at Mahatma Jyotiba Fule Mahavidyalaya, Bhatkuli on 08.12.2016
Worked as an external examiner for BSc III sem V university Winter 2016 students Practical exams at Ashok College, Chadur Rly on 11.12.2016
Worked as an external examiner for BSc II sem III university Winter 2016 students Practical exams at Ashok College, Chadur Rly on 12.12.2016
Internal examiner for University Practical Examination, Winter 2016 for M.Sc. I sem I on 02/01/2017
Valuation of M.Sc. I & II, Sub.: EDS I & II dated 3, 13, 16, 17 June 2016
Redressal of MSc I EDS I on 12.10.2016
Valuation of M.Sc. Sem III, Subject: Statistical Mech. & Molecular Phy. dated 5 to 28 Feb 2016

Question paper setting of Test Exams for internal assessment (Odd sem-1 papers and Even sem- 2 papers)
Evaluation of Answer Books of Test Exams of internal assessment
Internal examiner for University Practical exam
Invigilation to Test Exams for internal assessment
External examiner for University Practical exam
Officer In Charge for Winter and Summer SGBAU Exam (W-2017, S-2018)
Question paper setting of Test Exams for internal assessment (Odd sem-1 papers and Even sem- 2 papers)
Evaluation of Answer Books of Test Exams of internal assessment
Internal examiner for University Practical exam
Invigilation to Test Exams for internal assessment
External examiner for University Practical exam
Officer In Charge Winter and Summer SGBAU Exam (W-2018, S-2019)

### 2) Administrative Bodies:

### 3) Contribution in Event Organisation:

## C) Memberships

### 1) Professional Organization:

### 2) Academic Organization:

### 3) Social & Financial Institutes:

## 16. Contribution to Community Services:

### A) Charity:

### B) Participation in Social Functions (Guest Lectures):

## 17. Interests/ Hobbies: Reading

## 18. Subscription of Favorite Magazines: