

Personal Information: -

Name: Mr. Navnath Kashinath Chavan

Designation: Assistant Professor

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Date of Birth: 25th April, 1985



Educational Qualifications: -

Exam	Passing Year	Board / University	Percentage Marks (Class / Grade)
SET	April (2021)	Savitribai Phule, Pune University	Qualified
Ph. D.	Pursuing (2018)	Shivaji University	-
M. Sc. (Physics)	October (2009)	Shivaji University	60.00 (6.23) (A)
B. Sc. (Physics)	April (2006)	Shivaji University	77.17 (I)
B. Sc. (Chemistry)	April (2005)	Shivaji University	66.24 (I)
H. S. C.	February (2002)	Pune (Kolhapur)	55.17 (II)
S. S. C.	March (2000)	Pune (Kolhapur)	59.33 (II)

Working Experience: -

Institute / Organization	Designation	No. of years	Any other relevant information
Shri. Vijaysinha Yadav College, Pethvadgaon	Assistant Professor	11	CHB
Dr. Patangrao Kadam Mahavidyalaya, Sangli	Assistant Professor	09	CHB
Bharati Vidyapeeth's College of Optometry	Assistant Professor	04	Visiting Faculty

Research Publications: -

1. **Room temperature synthesis of nanocrystalline CuInSe₂ thin films by electrodeposition**
Chavan Navnath K, Pawar Sachin J, Nimat Rajesh K.
AIP Conference Proceedings 2265, 030054 (2020)
2. **Monolithic and shrinkage-free hydrophobic silica aerogels via new rapid supercritical extraction process**
DB Mahadik, YK Lee, NK Chavan, SA Mahadik, HH Park
The Journal of Supercritical Fluids 107(2016), 84-91 (*Impact Factor – 2.37*)
3. **Right To Information Act in perspective as protecting Human Rights**
NKC Shivanand M. Kulkarni
National Conference on Human Rights Education 2016

Title of Ph. D. Dissertation: -

“Studies on Synthesis and Characterization of Nanocrystalline CuInSe₂ (CIS) Thin Films for Solar Cell Application”

M. Sc. Project: -

“STUDY OF SUNSPOT CYCLES DURING THE PERIOD OF 1755 TO 1996 YEAR”.

Computer Skills: -

1. Certificate Course in Information Technology (CCIT) passed in January-2003 with 71 %.
2. Maharashtra State Certificate in Information Technology (MSCIT) passed in October-2006 with 76 %.

Professional Achievements: -

1. Climate Change Teachers Training Program is completed under the climate project foundation in May 2020.
2. Post graduate diploma in Human Rights and Values in Education (PGDHR) passed in March – 2019 with 60.00 %.
3. TOT program of Mobile Phone Hardware Repair Technician under NSDC at Pune, in April-2018 with 80.25%.
4. Certificate Course in Library Management with 57.29% (2016-17).
5. MCED: Dairy Farming Course: 12 day (2005).

NPTEL (Online Swayam courses): -

1. Nuclear and Particle Physics Passed in October 2021 with 60%.
2. Quantum Mechanics I Passed in September 2021 with 45%.
3. Semiconductor Optoelectronics passed in December 2020 with 60%.
4. Solar Photovoltaics Fundamentals, Technology and Applications passed in September 2019 with 73%.

Participation of Conferences / Symposium / Seminars / Workshops: -

Mode	International	National	State / University / Local	Workshops / FDP
Offline	06	11	16	14
Online	08	34	03	17

International Workshops / Seminars / Symposium / Lectures: -

1. Participated in International Conference on “Fifth International Conference on Advances in Material Science (online)” organized by Department of Physics, Raje Ramrao College, Jath, on June 6-7, 2020.
2. Presented a paper and participated in “64th DAE SOLID STATE PHYSICS SYMPOSIUM” organized by BARC Mumbai, held at IIT Jodhpur, on December 18-22, 2019.
3. Participated and presented poster in 4th International conference on “Physics of Materials and Materials Based Device Fabrication (ICPM-MDF 2019)” organized by Department of Physics, Shivaji University, Kolhapur, on January 10-11, 2019.
4. Participated and presented poster in 3rd International conference on “Advances in Material Science (ICAMS-2018)” organized by Department of Physics, Raje Ramrao Mahavidyalaya, Jath, on December 27-29, 2018.
5. Participated in one day Multidisciplinary International conference on “World Sustainable Development: Vision 2030” organized by Bharati Vidyapeeth’s Dr. Patangrao Kadam Mahavidyalaya, Sangli, on 19th March 2019.
6. Participated and presented poster in 2nd International conference on “Physics of Materials and Materials Based Device Fabrication (ICPM-MDF 2014)” organized by Department of Physics, Shivaji University, Kolhapur, on January 13-15, 2014.

National Workshops / Seminars / Symposium / Lectures: -

7. Participated in “Workshop & hands-on training on XRD” organized by SAIF-CFC under STRIDE programme, Shivaji University Kolhapur, on November 11-12, 2021.
8. Participated in National conference on “Emerging trends in Chemical and Material Sciences” organized by Department of Chemistry, Shivaji University, Kolhapur, on March 6-7, 2020.
9. Participated in one day national conference on “1st National conference on Issues and challenges in India: Perspectives and Policies and Action” organized by Bharati Vidyapeeth’s Dr. Patangrao Kadam Mahavidyalaya, Sangli, on February 15, 2020.
10. Participated in one day national conference on “2nd National conference on Recent trends in Pure and Applied Sciences” organized by Bharati Vidyapeeth’s Dr. Patangrao Kadam Mahavidyalaya, Sangli, on January 11, 2020.
11. Participated in one day National seminar on “Use of ICT in Effective Teaching and Learning Processes” organized by IQAC Bharati Vidyapeeth’s Dr. Patangrao Kadam Mahavidyalaya, Sangli on August 24, 2019.
12. Participated in one day National conference on “Recent Trends in Pure and Applied Sciences” organized by Bharati Vidyapeeth’s Dr. Patangrao Kadam Mahavidyalaya, Sangli, on 23rd March 2019.
13. Participated in National Seminar on “Chemistry and its Role in Human Development” organized by Bharati Vidyapeeth’s Dr. Patangrao Kadam Mahavidyalaya, Sangli, on 26th March 2012.
14. Participated in one day National Seminar on “Problems and Prospects of Agriculture Labour in India” organized by Bharati Vidyapeeth’s Dr. Patangrao Kadam Mahavidyalaya, Sangli, on 20th March 2017.
15. Attended National Seminar on “Impact of Globalization on Human Rights” organized by Arts, Commerce and Science college, Palus, held on 27th August 2016.
16. Participated and paper presented in two days National Conference on “Human Rights Education and Indian Scenario” organized by Shri. Vijaysinha Yadav Arts and Science College, Pethvadgaon, on 26th & 27th February, 2016.

17. Participated in Two days National level Workshop on “Latex” at Annasaheb Dange College of Engineering and Technology, on 05 & 06th July 2019.
18. Participated in Two days Workshop on “Network Implementation & Security” at Dr. Patangrao Kadam Mahavidyalaya, Sangli, organized by Association for Computer Machinery – IIT Delhi and Network Bulls, on 23 & 24th January 2014.

State / Local Level Workshops / Seminars / Symposium / Lectures: -

1. Participated in “Dr. Vikram Sarabhai’s Centenary Programme” organized by Department of Physics, SGU, Kolhapur, on January 22, 2020.
2. Participated in one day workshop on “Ozone Day” organized by Department of Physics, School of Science and Environmental Club, Sanjay Ghodawat University, Kolhapur, on September 16, 2019.
3. Participated in Teachers Training Workshop on “*Understanding Climate Change and Sustainable Development Goals for safer planet and a Sustainable future*” organized by Department of Zoology, Shri. Vijaysinha Yadav Arts and Science college, Pethvadgaon, on 12th January 2019.
4. Participated in One day Workshop on “*Organic Electronic Devices*” organized by Department of Technology, Shivaji University, Kolhapur on 24th September 2013.
5. Participated in State Level Workshop on “*New Horizon-Joy of Learning Physics*” organized by Department of Physics, Sanjay Ghodawat University, Kolhapur on 23rd January 2018.
6. Attended “One Day Seminar on Physics” organized by the Department of Physics, Willingdon College, Sangli and IAPT on Sunday 25th September 2005.
7. Participated in the event “Let’s Watch the Sky Together” organized by Astro Club on 22nd June 2011.
8. Attended “One Day Seminar on Physics” organized by the Department of Physics, Willingdon College, Sangli on 18th January 2010.
9. Participate in the “Mock Parliament” Competition at the National Science Day Celebrations-2008 from 25th February to 1st March, 2008 at Shivaji University Kolhapur.
10. Participate in the “Youth Parliament” Competition at the National Science Day Celebrations-2009 from 24th February to 28th February, 2009 at Shivaji University Kolhapur.
11. Attended in One day workshop on “Implementation of Sexual Harassment of Women at Workplace (Prevention, Prohibition & Redressal) Act 2013” organized by Department of Physics, Bharati Vidyapeeth’s Dr. Patangrao Kadam Mahavidyalaya, Sangli, on 27 February, 2017.
12. Participated in introductory workshop on “Basics of Intellectual Property and Filing Patents” organized by Bharati Vidyapeeth’s Dr. Patangrao Kadam Mahavidyalaya, Sangli, on December, 8, 2017.
13. Attended and actively participated in One day workshop on “Alternative Learning method in Science” organized by Department of Physics, Bharati Vidyapeeth’s Dr. Patangrao Kadam Mahavidyalaya, Sangli, 16 July 2013.
14. Attended one day workshop on “Value Education” organized by Smt. Akkatai Ramgonda Patil Kanya Mahavidyalaya, Ichalkaranji, on 25th January, 2017.
15. Participated in “20th Annual Conference of SUMS” organized by Shri. Vijaysinha Yadav Arts & Science College, Peth Vadgaon.
16. Participated Teachers training program in “Celebration of Ramanujan - Chandrashekhar Legacy in Science” organized by Shri. Vijaysinha Yadav Arts & Science College, Peth Vadgaon, 31th January, 2014.

Attended workshops on B.Sc. Syllabus: -

1. Participated in one day teacher workshop on “New Changed Syllabus of B. Sc. Part – II Physics (CBCS), Thermal Physics and Statistical Mechanics – II, Paper No. VII” organized by Department of Physics, D. P. Bhosale College, Koregaon, on October 11, 2019.
2. Participated in one day workshop on “Revised B. Sc. II CBCS Curriculum of Physics Paper VIII” organized by Department of Physics, Rajarshi Chhatrapati Shahu College, Kolhapur, on September 16, 2019.
3. Participated in one day workshop on “New Changed Syllabus (CBCS) of B. Sc. Part II Physics Practical” organized by Department of Physics, Yashwantrao Chavan college of Science, Karad, on August 21, 2019.
4. Participated in “One day workshop on B. Sc. III Revised syllabus” organized by Yashwantrao Chavan Warana Mahavidyalaya, Warananagar, on August 22, 2015.
5. Participated in “One day workshop on New Changed Syllabus (CBCS) of B. Sc. Part I Physics” organized by Yashwantrao Chavan College of Science, Karad on August 20, 2018.
6. Participated in one day workshop on “Revised Syllabus of Physics (B. Sc. III, Sem VI)” organized by Krantisinha Nana Patil College, Walawa, Sangli, on August 25, 2015.
7. Participated in workshop on” Revised Practical Syllabus of B. Sc. III” organized by Yashwantrao Chavan Institute of Science, Satara, on August 28, 2015.
8. Participated in one day workshop on “B. Sc. Part III Revised Syllabus” organized by Shikshanmaharshi Dr. Bapuji Salunkhe Mahavidyalaya, Miraj, on August 4, 2012.
9. Participated in workshop on “Revised Practical Syllabus of B. Sc. III Physics” organized by Balasaheb Desai college, Patan, on August 13, 2012.
10. Participated in one day workshop on “Revised syllabus of Physics (B. Sc. III, Sem VI)” organized by Padmabhushan Dr. Vasantaraodada Patil Mahavidyalaya, Tasgaon, August 10, 2012.
11. Participated in one day teacher training program on “Revised Syllabus of B. Sc. II in Physics, Semester IV” organized by Yashwantrao Chavan College, Halkarni, on August 21, 2014.
12. Participated in one day workshop on “B. Sc. Part II Revised Syllabus” organized by Shikshanmaharshi Dr. Bapuji Salunkhe Mahavidyalaya, Miraj, on August 6, 2011.
13. Participated in one day workshop on “Revised Syllabus of B. Sc. Part I Physics, Semester II” organized by Smt. Kasturbai Walchand College, Sangli, on September 13, 2013.

Participation in Co-curricular Activities:-

1. Participate for NSS camp in year 2003 – 04.
2. Participated in MCC at 9th Standard.
3. Working as Amateur Astronomer.
4. Worked as organizing committee member in “DST INSPIRE PROGRM 2011” organized by Shri. Vijaysinha Yadav Arts & Science College, Peth Vadgaon, on December 2011.
5. Worked as organizing committee member in “ENTREPRENEURSHIP AWARENESS CAMP” organized by Shri. Vijaysinha Yadav Arts & Science College, Peth Vadgaon. (2010,2011, 2012,2015,2016).
6. Worked as organizing committee member in “INTERNSHIP PROGRAM 2012-13” organized by Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli, January 2013.
7. Worked as organizing committee member in “INTERNSHIP PROGRAM 2013-14” organized by Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli, August 2014.

8. Worked as organizing committee member in “Celebration of Ramanujan – Chandrashekhar Legacy in Science” organized by Shri. Vijaysinha Yadav Arts & Science College, Peth Vadgaon, on January 2014.
9. Worked as local organizing committee member in “National Conference on Changing Phases in Women Empowerment” held in Shri. Vijaysinha Yadav Arts & Science College, Peth Vadgaon, Kolhapur, on 13th & 14th October, 2014.
10. Worked as local organizing committee member in “AVISHKAR 2018-19” held in Shri. Vijaysinha Yadav Arts & Science College, Peth Vadgaon, Kolhapur, on 27th December, 2018.
11. Worked as a Instructor in the One Day Workshop On “How to Make, Connect & Power LED Strip Lightning” jointly organized by Entrepreneurship Development Cell & Department of Physics, Shri. Vijaysinha Yadav Arts & Science College, Peth Vadgaon, Kolhapur, November 2016.
12. Worked as organizing committee member in “Dyanbharati Sahitya Samenlan Varsh Dusare” organized by Bharati Vidyapeeth's Dr. Patangrao Kadam Mahavidyalaya, Sangli, January 5, 2017.