

FACULTY PROFILE

1.	Name	Mrs. Radhika Santosh Desai
2.	Department	Physics
3.	Qualification	M.Sc, B.Ed , SET, Appeared for PhD
4.	Designation	Assistant Professor (C.H.B)
5.	Specialization	Applied Electronics
6.	Mobile No	(R)+91-9921350571
7.	Date of Birth	13 th December 1982
8.	Email	yadavradhika13@gmail.com
9.	Teaching Experience	12 Years
10.	Research Experience	3 Years
11.	Membership in University	-
12.	Membership in College	
13.	Membership of professional bodies	
14.	Awards received	1. Recipient of Chhatrapati Shahu Maharaj National Research Fellowship from Chhatrapati Shahu Maharaj Research Training and Human Development Institute (SARTHI), Pune (Government of Maharashtra)
15.	Refresher/Orientation Courses	<ol style="list-style-type: none"> 1. IP awareness/training program under National Intellectual Property Awareness Mission organized by Intellectual Property Office, India, 17th march 2022. 2. One-week STTP on 'INNOVATIONS IN PHYSICS & CHEMISTRY' from 18th to 23rd May 2021 organized by the Department of Basic Science ADCET, Ashta 3. SWAYAM NPTEL online 12-week certification course with Elite +Silver certificate (77%) on Solid state Physics organized by IIT Kharagpur from 1st September to 11th December 2020 4. Online course "Learning Physics Through Simple Experiments" (from 2nd April 2020 to 10th June 2020) Organized by Center of Continuing education IIT Kanpur 5. Online course "Advanced Course on Special Theory of Relativity" (from 26th January 2020 to 19th May 2020) Organized by Center of Continuing education IIT Kanpur 6. Online course "Basics of Quantum Mechanics" (from 15th Aug 2019 to 18th Nov 2019) Organized by Center of Continuing education IIT Kanpur 7. Online course "Basics of the special theory of relativity" (from 18th Dec 2018 to 8th Mar 2019) Organized by Center of

		<p>Continuing education IIT Kanpur</p> <p>8. One-week STTP program on “Effective teaching Methodologies” from 9th July 2012 to 14th July 2012 jointly organized by Jaywant College of Engineering and management & Shri Jaywantrao Bhosale Polytechnic</p>
16.	Seminars/colloquium/workshop/conferences-Attended/Participated	<p>Seminars:</p> <ol style="list-style-type: none"> 1. RSC Desktop Seminars. on ChemSci2021:Leaders in The Field Symposium jointly organized by RSC’s flagship journal <u>Chemical Science</u> & <u>INCASR Bangalore</u> from 13th to 15th December 2021 2. International webinar on “Indian Patent Filing Process with Special Focus on Data Requirements for Drafting Patent Specification” organized by Dr. Patangrao Kadam Mahavidyalaya, Sangli 3. Webinar on Transport Properties of Nano-Crystalline Thin Films and its Applications organized by Harcourt Butler Technical University, Kanpur on 30th Oct 2021 4. Webinar on Synthesis, Characterization, and Applications of Nano-Materials organized by Harcourt Butler Technical University, Kanpur on 28th Oct 2021 5. RSC-IIT desktop seminar with JMC- A on 28th Oct 2021 6. Webinar on Resume Building and personality development organized by Jaywant College of Engineering and Polytechnic on 13th February 2021 7. One Day International Webinar entitled “Recent Scenario in Energy Generation and Storage Technologies” (IWRSEGST-2020) organized by the Department of Physics, Dahiwadi College Dahiwadi on 5th September 2020 8. One Day National e-Seminar on “The Role of Mathematics and Computer Science in Artificial Intelligence (AI) and Machine Learning (ML)” Organized by the Department of Mathematics, Statistics, KMR, Rethare BK on 31st August, 2020 9. National e-Seminar Recent Advances in Chemical Sciences organized by Department of Chemistry, KMR, Rethare Bk on 29th August 2020 10. National e-seminar on Recent technological trends in Electronics organized by Department of Electronics, KMR, Rethare Bk on 27th August 2020 11. Webinar on Teaching Learning Tools organized by Department of General Science, Jaywant College of Engineering & Polytechnic, Killemachindra Gad, Sangli on 28th July 2020

12. National Webinar on **Materials for Energy** organized by the Department of Physics, YC college Karad on **25th July 2020**.

13. National Webinar on **Advances in synthesis techniques and characterization of materials** organized by the Department of Physics, **Taljaram Chaturchand college, Baramati**, from 24th to 29th June 2020.

14. National Webinar on **GER in Education and Developing Countries** organized by Internal Quality Assurance Cell of Punyashlok Ahilyadevi Holkar Solapur University, Solapur (MS) in collaboration with Association of Indian Universities, New Delhi, India on **29th June 2020**.

Online Lecture Series:

1. UGC_STRIDE Online Lecture Series organized by the Department of Physics **Shivaji University Kolhapur** from 7th to 10th April 2021.

2. Webinar lecture series on **Modern Physics and Materials science** organized by the Department of Physics, Govt. Holkar Science College, Indore from 26th to 30th May 2020

Workshop:

1. Online Teachers' Training Workshop on "**New Changed Syllabus of B.Sc.-III Physics (CBCS Pattern), Paper-XI DSE-E3 Classical Mechanics and Electrodynamics and Paper-XIV DSE-F2 Solid State Physics**" organized by Dr. Patangrao Kadam Mahavidyalaya, Sangli, held on 12th February 2021

2. One Day Online Workshop on **Career Opportunities in Higher Education**- organized by Department of Physics, KMR, Rathare Bk on 5th February 2021

3. Two days National level workshop on **LaTeX** Organized by the Department of Basic science Annasaheb Dange College of Engineering and Technology, Ashta Under Lead college scheme of Shivaji University Kolhapur on 5th & 6th July 2019

4. One-day workshop on "**Syllabus Setting for Engg. Physics of FE-I and II** at Dr.J.J.Magdum College of Engineering, Jaysingpur on 8th Jan 2013

Conferences:

1. Participated and presented an **oral paper** entitled "Hydrothermal Synthesis of self-assembled Co_3O_4 Nanostructures for potential supercapacitor application" at an international conference on "**Innovation in Smart and Technomaterials (ICISTM-2023)** on 16th and 17th January

		<p>2023 at SGM college, Karad</p> <ol style="list-style-type: none"> 2. Participated and presented an oral paper entitled “Enhanced Electrochemical Performance of Co_3O_4 Nanostructures on Nickel Foam for Energy Storage Applications” in an international conference on “Advanced Material Synthesis, Characterization and Applications (AMSCA Maverick-2022)” on 18th to 20th October 2022 at SPPU University, Pune 3. Participated and presented a poster at National Conference on “Advances in Functional and Sustainable Materials” organized by Sadguru Ghadge Maharaj college, Karad on 8th April 2022. 4. International Conference on “Multidisciplinary Approach and Innovations in Chemical Science -2022 (MAICS-2022)” organized by YC Institute of Science, Satara on 25th and 26th March 2022 5. 4th national e-Conference on “Recent Trends in Pure and Applied Sciences (RTPAS-2022)” organized by Dr Patangrao Kadam Mahavidyalaya, Sangli on 21st and 22nd January 2022 6. Participated and presented a poster in the #RSCBatteriesPoster Twitter conference poster competition on 7-8 December 2021 7. National Conference on “Recent Trends in interdisciplinary Research in Material Sciences (NCRTIRMS-2014)” organized by Annasaheb Dange College of Engineering and Technology, Ashta 8. International e-Conference on Cutting Edge Smart Materials & Nanotechnology (ICCESMN -2020) organized by SGM-Karad on 20th and 21st Aug 2020 9. One Day International e-Conference on Advanced Functional Nanomaterials and Their Device Applications organized by Department of Physics, KMR, Rathare Bk. June 2020
18	Publications	<ol style="list-style-type: none"> 1. Nanostructured Materials for Electrochromic Energy Storage Systems, Dhanaji S. Dalavi, Radhika S. Desai, Pramod S. Patil, Journal of Materials Chemistry A, 10, 2022, 1179-1226. 2. Energy efficient electrochromic smart windows based on highly stable $\text{CeO}_2\text{-V}_2\text{O}_5$ optically passive counter electrode, Dhanaji S. Dalavi, Appasaheb K. Bhosale, Radhika S. Desai, Pramod S. Patil, Materials Today: Proceedings ISSN: 2214-7853, Vol.: 43 (4), 2020, 2702-2706,
19	Invited Talk	

20	Conference/seminar/workshop/exhibition organized	
21	Projects:	
22	Student Supervision	
23	Other contributions	
24	Consultancy	
25	Co-curricular activities	<ul style="list-style-type: none"> • External examiner (Exam controller) (2017) • Officer-in-charge • Examiner in theory exam conducted by MSBTE, Pune (2014) • Paper setter in theory examination in the subject of papers I, IV of B.Sc. Part I • Jr. supervisor • Internal squad member • Member, NAAC Criterion III (Research, Innovations, and Extension)

I hereby declare that the information provided above is true and correct to the best of my knowledge.

Mrs. Desai Radhika Santosh