



Shri Shivaji Education Society Amravati's
Shri Shivaji Science & Arts College
Chikhli, Dist. Buldana- 443201(MS).

DEPARTMENT OF PHYSICS

Annual Report-2022-23

Department of Physics organized several co-curricular activities to enhance and explore the recent knowledge in various aspects of Physics during the session 2022-23.

1) Department Activities:

Faculty members of Physics Department actively organized following activities to enrich students' knowledge during academic session 2022-2023.

- i) University Level Model Innovative Making Competition: This Competition is organized by Department of Physics on 30/09/2022.
- ii) Raman Lecture Series: This Competition is organized by Department of Physics on the occasion of National Science Day 28th February 2023.

2) Use of Online Teaching-Learning Tools:

The teaching Faculty of the department various online teaching tools to deliver lectures for B.Sc. classes. Faculty members used following online for effective teaching & learning.

- i) Amrita University Virtual Laboratory to teach basic concepts of B.Sc.-I Practicals (Bridge Course).
- ii) Faculties of department of physics developed QR Codes of Question Bank, Virtual Laboratory and Google Website to provides the Study Material for B.Sc. students.

3) Paper Presented/Published in National/International/Journals/Proceedings with ISBN/ISSN:

Sr. No.	Name of Teacher	Title of Paper presented/Published	National/ International/ Journal Proceedings	ISBN/ISSN
1	Mr. N. B. Thakare	1. Electron Trajectories in the Electromagnetic Undulator and Axial Field. 2. Synthesis and Nonlinear Optical Absorption of L-Valine Capped Zn-Doped MgO Nanoparticles	1. Shivaji Interdisciplinary Research Journal 2. Macomolecular symposia	1. 978-93-83587-52-0 2. 1022-1360

2	Dr. V.B. Huse	Electron Trajectories in the Electromagnetic Undulator and Axial Field.	Shivaji Interdisciplinary Research Journal	978-93-83587-52-0
3.	Dr. P.B. Nalle	Viscosity, Density and Ultrasonic Study of officinale zingiber with $ZnCl_2$ at 318.15 K	Asian Journal of Organic & Medicinal Chemistry	2456-8937

4) **Book/ Chapter in Book Published**

Sr. No.	Name of Teacher	Title of book/ Chapter in book	Publication Name	ISBN/ISSN
1	Dr. P. B. Nalle	Advance Research in Science and Technology	Rushi Publication, Chhatrapati Sambhajinagar	978-81-961555-0-6

5) **Best Practice:**

- i) Bridge Course in Physics Practical was organized for the B.Sc. First Year Students
- ii) University Level Innovative Model Making Competition: District Level Model Making Competition organized by Department of Physics, Shri Shivaji Science and Arts College, Chikhli Dist-Buldana. The competition was sponsored by Mrs. Y.T. Suradkar and Shri Shivaji science and Arts Chikhli.

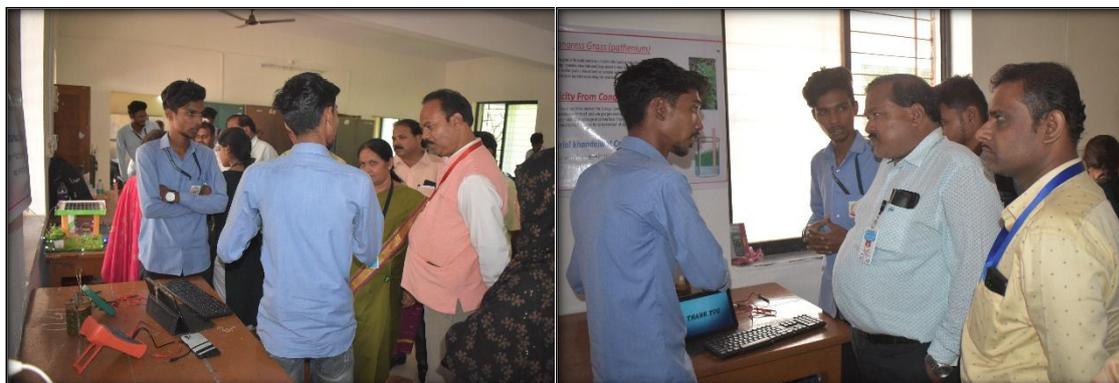
6) **Extension Activities:**

- i) Raman Lecture Series: Raman Lecture Series is organized by Department of Physics every year on the occasion of National Science Day.

7) **Photographs:**

Program: University Level Innovative Model Making Competition

Date:30/09/2022





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