

## **Dr. Patangrao Kadam Mahavidyalaya Ramanandnagar (Burli)**

### **Department of Physics organized**

#### **NEP introduced B.Sc. II Physics Practical activity**

**Year: 2024-25**

In academic year 2024-25 department of Physics organises NEP introduced B.Sc-II Physics practical demo activity.

The National Education Policy (NEP) 2020, introduced by the Government of India, aims to transform the Indian educational landscape by focusing on holistic development, critical thinking, and hands-on learning. One of its key reforms is the integration of practical, experiential learning in science subjects, including Physics. The policy emphasizes the importance of laboratory activities to reinforce theoretical knowledge and build a deeper understanding of physical phenomena.

Practical experiments help students move beyond rote memorization to a clearer grasp of fundamental principles.

2. Promoting Inquiry-Based Learning: Encouraging students to ask questions, design experiments, and test hypotheses foster critical thinking and scientific curiosity.
3. Developing Problem-Solving Skills: Physics experiments are designed to equip students with skills such as measurement, data analysis, and observation, which are essential for solving real-world problems.

Innovative and Research-Oriented Thinking: Inquiry-based and project-based activities nurture a spirit of innovation and research, preparing students for higher education and research careers.

The activity was conducted in presence of departmental faculty. During this activity Prof. Harish Patil explained even the small things related to practical demonstration and design.

<b>Outcomes-</b> Encouraging students to ask questions, design experiments, and test hypotheses foster critical thinking and scientific curiosity	<b>Beneficiaries-28</b>
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1. Prof.Harish Patil demonstrating student about Stefan's Constant Law.

2. Prof.Harish Patil demonstrating students about Coupled Oscillator.



While Principal Prof.Dr.U.V.Patil felicitating resource person Prof.Harish Patil



Head



Principal