

One-Day Workshop Report

Title: *Experimental Physics: Concepts, Techniques and Applications*

Date: 13th December 2025

Organised by: Department of Physics and Mathematics

In Collaboration with: Internal Quality Assurance Cell (IQAC)

Institution: Government Degree College, Solan

A One-Day Workshop on “**Experimental Physics: Concepts, Techniques and Applications**” was successfully organised by the **Department of Physics and Mathematics**, in collaboration with the **Internal Quality Assurance Cell (IQAC)**, Government Degree College, Solan, on **13th December 2025**. The primary objective of the workshop was to enhance students’ conceptual understanding and provide practical, hands-on experience, which is widely recognised as an effective approach for deep and meaningful learning.

For the successful conduct of the workshop, **Dr. Arun Kumar**, Assistant Professor, Government College Bilaspur (H.P.), was invited as the **Resource Person**. He delivered two academic sessions as per the scheduled programme.

First Session (10:00 A.M. – 12:30 P.M.)

The first session focused on experiential and activity-based learning. Students were given a valuable opportunity to handle sophisticated experimental equipment that is not usually available during regular laboratory sessions. The hands-on approach helped in clarifying complex theoretical concepts and significantly enhanced students’ understanding of experimental physics.

A **chart-making competition** was also organised during this session, encouraging creativity, teamwork, and conceptual clarity among students. The first session concluded successfully with active student participation.

The equipment used during the workshop included **laser, lenses, prism, thermometer, compass, microscope, telescope, caliper, inductor**, etc.

Refreshment Break

After the completion of the first session, refreshments were served to all participants.

Second Session (1:30 P.M. – 4:00 P.M.)

The second session involved the explanation and demonstration of another important experiment by the resource person, further strengthening the practical and analytical skills of the students. The interactive nature of the session ensured enthusiastic participation and effective learning.

Following the technical session, the **Chief Guest** distributed **first, second, and third prizes** to the winners of the chart-making competition. Thereafter, **Dr. Anil Kumar** delivered the **vote of**

thanks, expressing sincere gratitude to the resource person, the Chief Guest, faculty members, and the Department of Physics and Mathematics for their support and cooperation.

Conclusion

Overall, the workshop proved to be highly informative and enriching. Students showed keen interest and active involvement throughout the programme. The objectives of the workshop were successfully achieved, and the event concluded smoothly on a positive and satisfactory note.



Group photograph of participants, faculty members, and the resource person

Media Coverage

WhatsApp x #49 सोलन कॉलेज में स्टेट अवार्डी डॉ. अरुण कुमार New Tab x Introducing ChatGPT | OpenAI x Workshop Report Summary x +

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हिल्स पोस्ट

होम पेज विचार्य सोलन पब्लिशिंग अद्यय इंटरनेट विचार्य विचार्य सेत उन्नत पढ़ी English

सोलन, विचार्य

सोलन कॉलेज में स्टेट अवार्डी डॉ. अरुण कुमार ने सिखाए विज्ञान के गुर

By Hills Post | December 10, 2025

सोलन, राजस्थान महाविद्यालय सोलन में आज विज्ञान के छात्रों के लिए एक खास सत्र (सी) सत्र 18 थीमेटिक और साइंटिफिक विज्ञान की ओर के अवैतनिक कार्यालय (Experimental Physics) कार्यक्रम का। अर्द्धशताब्दी जन्मदिन के सलोक में हुए एक कार्यक्रम का महत्वपूर्ण हिस्सा डॉ. अरुण कुमार ने अपने बड़े-बड़े विद्यार्थियों को प्रयोगों के जरिए सिखाया था।



छात्रों की विज्ञान की क्षमताओं को बढ़ाने के लिए विद्यार्थियों को प्रयोगों के माध्यम से सिखाया और उनके प्रश्नों के समाधान की ओर प्रेरित किया गया है। डॉ. अरुण कुमार ने विज्ञान के सिद्धांत को प्रयोगों के माध्यम से सिखाया है, जिसे देखकर छात्र अपनी प्रतिक्रिया दे रहे हैं।

कार्यक्रम में डॉ. अरुण कुमार ने साइंटिफिक विचार्य की ओर प्रेरित किया था। अर्द्धशताब्दी जन्मदिन के अवसर पर डॉ. अरुण कुमार ने सभी को प्रेरित किया। इस मौके पर डॉ. अरुण कुमार ने विद्यार्थियों को प्रेरित किया, जब डॉ. ए. जी. विधि और डॉ. अरुण कुमार की प्रतिक्रियाएं देखकर प्रेरित हुए।



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