हिमाचल प्रदेश केंद्रीय विश्वविद्यालय
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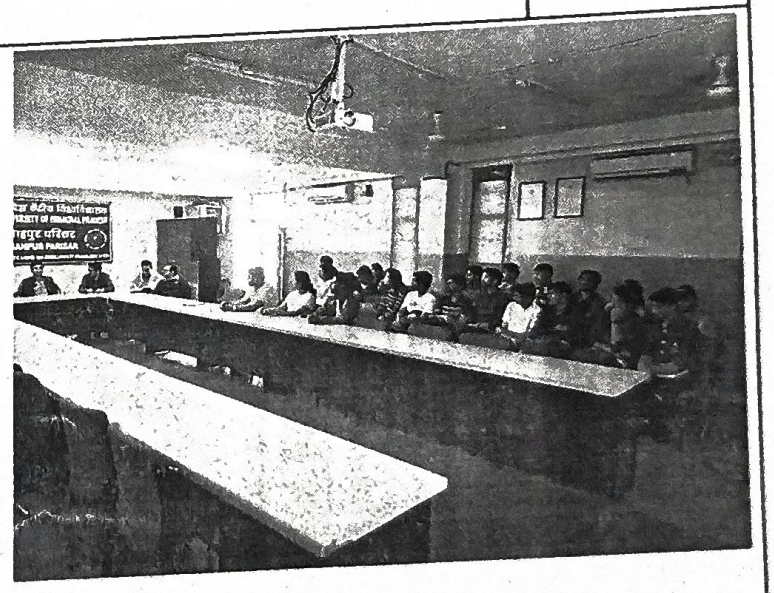
आन्तरिक गुणवत्ता आश्वासन प्रकोष्ठ
धर्मशाला, ज़िला काँगड़ा, हि.प्र.- 176215

File No. DAS/2-2/(Workshop-Seminar)/CUHP/24/584 dated: 25.03.2025

Event Report

Name of the Event	Seminar on the topic, "**LEGACY OF INDIGENOUS SCIENCE: WHY AND WHAT WE CAN LEARN**
Objective of the event	To create awareness among students and faculty about the vast legacy and relevance of Indian Indigenous Knowledge Systems (IKS) in science and technology.
Date, Time and Venue	25-03-2025, 10.30 AM
Convener /Organising Secretary	**Dr. Surender Verma**
Organising Unit	**Dept. of Physics and Astronomical Science**
Participants	65 participant consisting of Ph.D scholars, and PG students of the department physics were present.
Outcome of the event	Participants gained **insight into the depth and scientific validity** of traditional Indian knowledge systems.
Expenditure & Funding Agency if anyone otherwise CUHP	~~None~~ CUHP
Photos (atleast one geo-tag)	 

Event Detail Report (maximum 500 words)

The Department of Physics and Astronomical Sciences organized A seminar on the topic, "**LEGACY OF INDIGENOUS SCIENCE: WHY AND WHAT WE CAN LEARN**" was organized on 25-03-2025 at 10.30 AM at Seminar Hall, Shahpur Parisar, Central University of HP by **Prof. (Dr.) R. C. Verma**, Retd. Professor, Punjabi University, Patiala and member drafting committee of the book on IKS Physics published under the aegis of IKS division, Ministry of Education delivered the seminar. **Prof. Murlidhar Rao,** formarly scientist NASA USA grace the occasion as chief guest.

The speaker started his talk with the remarks on the issues faced by the world from economic fronts to biological wars. He explains that the basic origin of these problems is the development of science based on materialism and on spiritualism. He reminded the audience of their responsibilities towards doing science with ethos. He emphasized the legacy of Indigenous science in India which is vast, deeply rooted in the country's ancient traditions, and continues to offer valuable insights into sustainability, medicine, agriculture, astronomy, water conservation, and holistic living. Some excerpts from his enlightening talk are the following. Indian Indigenous science, often referred to as traditional knowledge, has been developed through centuries of empirical observations, hands-on experimentation, and oral traditions passed down from generation to generation. Unlike Western science, which often focuses on compartmentalized knowledge, Indigenous Indian science is holistic and interconnected, considering the balance between nature, human beings, and the cosmos. One of the most profound contributions of Indian Indigenous science is Ayurveda, the ancient system of medicine. He described that Ayurveda emphasizes balance in bodily functions through diet, herbal treatments, yoga, and lifestyle changes, much of which is now being validated by modern scientific research. The use of medicinal plants such as turmeric for its anti-inflammatory properties, neem for its antibacterial effects, and ashwagandha for stress relief showcases how traditional knowledge has contributed to contemporary medicine.

Prof. Verma, also, talked about the indigenous knowledge of water management, where India's traditional science has excelled. Ingenious water conservation systems such as stepwells (baolis), johads (rainwater storage ponds), and check dams have been used to harvest and store water in arid and semi-arid regions, ensuring a steady supply of water even in times of drought.

He, also, talked about the highly accurate astronomical calculations developed by ancient Indians, many of which were documented in texts like the Surya Siddhanta and Aryabhatiya. The positioning of temples and religious sites based on astronomical alignments further exemplifies how Indigenous science was used for practical and spiritual purposes. Another remarkable aspect of Indigenous Indian science is its contributions to metallurgy and architecture.

At the end, the expert emphasized on the synergy between indigenous and modern scientific approaches that has the potential to lead innovations in medicine, agriculture, environmental conservation, and sustainable development. He pointed out that as India moves forward, it is crucial to not just look at Indigenous science as a relic of the past but as a living, evolving body of knowledge that holds solutions to some of the most pressing challenges of the present and the future. By valuing and learning from indigenous indian science, we can develop a future that is both technologically advanced and deeply rooted in wisdom and cultural heritage.

All the faculty members and students of the department enjoyed the talk which was very interactive and posing. Around 69 participants attended the seminar.

(Sig.....) Dr.....Surender Verma Convener	(Sig.....) Head/Director (With Stamp)

1. Attendance Sheet (Name & Signature)