



Shri Lal Bahadur Shastri Degree College, Gonda

(Affiliated to Dr Ram Manohar Lohia Avadh University, Ayodhya, U.P.)

“The virtues of science are skepticism and independence of thought”.

A Report

On



Academic Seminar

Session 2022-23

Submitted
by

Prof. Jitendra Singh

Head, Department of Physics
update on website

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“Science is simply the word to describe a method of organizing our curiosity.”

Two Days National Seminar organized by Department of Physics, Shri Lal Bahadur Shastri Degree College, Gonda during April 04-05, 2023.

“Technology is best when it brings people together.”

Keeping these words in mind Department of Physics, Shri Lal Bahadur Shastri Degree College, Gonda decided to organize two days seminar. Speakers shed light on the international opportunities available for young research scholars and PG students. There were four technical sessions that dealt with various opportunities in science & innovation. In the first session Hon'ble chief guest **Prof. Raj Kumar Tiwari** starts the session to lightning the lamp in front of Maa Saraswati with Varsha Singh, Vice President, S.L.B.S. Degree College, Gonda, Mr. Umesh Shah Secretary of Management Committee, S.L.B.S. Degree College, Gonda, Prof. Ravindra Kumar Pandey, Principal, S.L.B.S. Degree College, Gonda, Prof. Jitendra Singh, Head, Department of Physics, S.L.B.S. Degree College, Gonda, other departmental faculty & guests.

In technical session I, **Prof. Jitendra Singh, Head, Department of Physics** while welcoming **Hon'ble Chief Guest Prof. Raj Kumar Tiwari**, said that if we work diligently with limited resources, a successful seminar can be organized. He delivers a welcome speech to start the session. **Prof. Singh** gave hands on explain the **basic phenomenon of light with a quantum approach**. He also told that in this seminar a total of 58 students presented their short research on various subjects. Many queries were raised by the participants, which Prof. Singh explained in a very simple way.



Photo-1 Prof. Jitendra Singh honoured Hon'ble Guest Prof. R.K. Tiwari



Photo-2 Prof. Jitendra Singh delivers welcome speech

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Reversible logic technique and innovation will prove to be effective in place of digital electronics in the direction of developing employment among children. This was said by **Prof. Raj Kumar Tiwari** while speaking as the chief guest in a two-day seminar organized under the aegis of the Physics Department of Lal Bahadur Shastri PG College, Gonda. Prof. Tiwari, who is an Associate Professor, Department of Physics & Electronics, Dr. Ram Manohar Lohia Avadh University, Ayodhya, while discussing his research said that with this technology, power loss can be reduced in agriculture, medicine and other areas of society. He said that by making a little change in the rejected two-wheeler and four-wheeler vehicles, their engines can be used revolutionary and very beneficially. The entire session was very interactive.



Photo-3 Hon'ble Guests with Principal (S.L.B.S. Degree College)



Photo-4 All guests present in the seminar

In Technical session II, as more as, **13 M. Sc. Students of Department of Physics, Shri Lal Bahadur Shastri Degree College, Gonda** presented their papers in two parallel tracks. There were **58 M. Sc. (Physics) students of Shri Lal Bahadur Shastri Degree College, Gonda** participate in this seminar.



Photo-5 A PG Scholar gave their Presentation



Photo-6 Hon'ble Guests looking at rangoli made by PG Scholar

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On the next day the technical session III, starts by **Mr. Santosh Kumar Srivastava** (Assistant Professor, Department of Physics, Shri Lal Bahadur Shastri Degree college, Gonda). He introduced to the state-of-the-art accelerator-based research facilities present in India, getting enlightened about the international research scenario, where India stands in this regard and most importantly experience how the words in their physics books actually came to life.

As the keynote person, **Dr. Pushyamitra Mishra, Head, Department of Chemistry, Shri Lal Bahadur Shastri Degree College, Gonda** while giving a motivational lecture on the topic '**To Succeed, Don't Fall backward fall Forward**', said that one should not be discouraged by failure, but should keep trying and practicing continuously until success is achieved. He continues the session by asking question **Is Chemistry related to Physics?** After that He explains very easily that how Chemistry is related to Physics. He explains Chemistry is very closely related to physics. The fundamental interactions and processes studied in physics, such as electromagnetism, thermodynamics, and quantum mechanics, form the foundation for understanding the behavior of atoms, molecules, and chemical reactions. Chemists rely heavily on the principles and theories of physics to explain and predict the properties and behaviors of matter at the atomic and molecular scale. Many areas of chemistry, such as physical chemistry, quantum chemistry, and thermochemistry, are essentially subfields of physics applied to the study of chemical systems. The overlap between the two disciplines is so significant that many university-level courses and textbooks cover concepts from both physics and chemistry together.



Photo-7 Shri Santosh Kumar Srivastava interacting with students



Photo-8 Dr. Pushyamitra Mishra giving motivational speech

In Technical session IV, remaining **M. Sc. Students of Department of Physics, Shri Lal Bahadur Shastri Degree College, Gonda** presented their papers. **Shalini Devi, Mahima Pathak, Harsha Gupta, Muskan Gupta, Niharika Bhartiya, Priya Singh, Manoj Kumar, Mohan Bhaskar, Amar Singh** gave excellent presentations on important topics like **fibre optic, liquid drop model, satellite communication, Sensors** etc. in the seminar. In the closing ceremony, chief guest **Management Committee Vice President Varsha Singh** said that the research papers presented by the students bring out their hidden talent. Chemistry Department **Head Dr Pushyamitra Mishra** gave the mantra of success.

He taught to keep trying and practicing continuously. **Management Committee Secretary Umesh Shah** said that life can be made simple, easy, accessible, safe and precise with the principles of physics. Research center in-charge **Prof. Shailendra Nath Mishra** highlighted the importance of research and gave information about the research to the students. **Former Chief Organizer Prof. Omkar Pathak**, while highlighting the importance of Physics in the technology of Jugaad, said that this subject makes difficult work easy. On this occasion, IQAC in-charge of the college Prof. RS Singh, Prof. VP Singh, Prof. SS Shukla, Dr. Manish Sharma, Dr. Ravi Ojha, Dr. Puneet Kumar, Dr. Vandana Bhartiya, Dr. Manoj Mishra, Dr. D.N. Pandey, Dr. Avnish Mishra, Mr. Shobhit Maurya, Anuradha Gupta, Dr. Ankit Maurya, Ashish Chaudhary, Sukhdev, Rambachan, Akash, Ram Roop etc. were present.

The feedback of the seminar was very positive. Around 100 participants including teachers attended the seminar. The seminar was well appreciated by the students as well as faculty members.

Outcomes of the Seminar: After attending this seminar, the participants became more professionally competent. They (PG students) got familiar with the various tools available for the creation of research methodology. Finally, students of M.Sc. (Physics) acquired a quality orientation in the field of research processes. Follow up actions more focus on technology enabled research and teaching learning process using multiple online platforms. Adoption of technology driven mapping of programmed outcomes motivated us for conducting of **Two day's** departmental seminar on new learning platforms/research.

Head of Physics Department, **Prof. Jitendra Singh** (Shri Lal Bahadur Shastri Degree College, Gonda) gratefully thanks to **Prof. R. K. Pandey** (Principal, Shri Lal Bahadur Shastri Degree College, Gonda) for permission to organizing seminar.

"The most important thing is to never stop questioning & never stop learning."

Thanks.



(Prof. Jitendra Singh)
Head, Department of Physics

