

**Report of**

**Two Days International Conference**

**(28 Feb-01 March 2025)**

**On**

**“Scope of Quantum Technology in Natural Sciences”**

**Organized by**

**Department of Physics  
& IQAC**

**Shri Lal Bahadur Shastri Degree College,  
Gonda**

**(Affiliated by Dr Rammanohar Lohiya Avadh University, Ayodhya)**



**Submitted by**

**Prof. Jitendra Singh**

**(Head Department of Physics)**

**Convenor ICSQTNS-2025**

# Report

On the occasion of **International year of Quantum Technology**, an International Conference on the theme “**Scope of Quantum Technology in Natural Sciences**” was conducted by the **Department of Physics, Shri Lal Bahadur Shastri Degree College, Gonda** on **28<sup>th</sup> February and 01<sup>st</sup> March, 2025**. Once the theme of the conference was finalized, the organizing committee started reaching out to colleges, scholars, academicians and industry experts for their research papers. Initially, around **200** abstracts were received and out of them, 40 were with full papers. Out of 40, 20 papers were selected for proceeding publication in International journals and 10 for e-Book. Once the final papers with the abstracts were available, the e-Book of Abstracts was designed which later got the ISBN Number. In this conference **Prof. Pankaj Kumar Mishra** (Department of Physics) **IIT-ISM**, Dhanbad, Jharkhand, **Prof. D. K. Dwivedi**, Department of Physics, **MMM University of Technology**, Gorakhpur, **Prof. Venktesh Singh**, Central University South Bihar, Bihar, **Prof. Aktar Ali**, Department of Bio Technology, **IIT-BHU**, Varanasi, **Dr Jyotsna Singh**, **Director Center of Excellence in Renewable Energy Education and Research**, University of Lucknow, Lucknow, **Dr R. B. Singh**, Department of Physics, University of Lucknow, **Lucknow**, **Dr Dharmendra Pratap Singh**, University du Littoral Cote, **France**, **Dr Arvind Kumar Dubey**, Postdoctoral Scientist, University of Nebraska, **USA**, **Dr S. K. Mishra**, SRCOM Division CTTC, Barcelona, **Spain**, **Dr. P. K. Singh**, Institute of Advanced Materials, **Sweden** have been shared their expertise talk among our participants.

## DAY 1

( 28 February 2025)

The first day of the conference commenced with registrations going on in full swing at the registration desk, followed by the lighting of the lamp. The welcome address was conveyed by **Prof. Ravindra Kumar**, Principal, Shri Lal Bahadur Shastri Degree College, Gonda. About the introduction of conference conveyed by **Prof. Jitendra Singh**, Head, Department of Physics & Convenor ICSQTNS-2025. The audience was then enlightened by the preside address delivered by **Prof. Ravi Shankar Singh**, Vice Chancellor **Maa Pateswari University, Balrampur, Uttar Pradesh**. **Prof. Praveen Chandra Pandey**, Head of Physics Department, **Indian Institute of Technology-Banaras Hindu University (IIT-BHU)**, Varanasi, Uttar Pradesh participated as the Special Guest for the International Conference. He addressed the audience with his wise words. The Book of



Abstracts was released by **Varsa Singh**, Vice president and **Shri Umesh Shah**, Secretary, Management Committee of Shri Lal Bahadur Shastri Degree College, Gonda.



**Photo 1 : Photos of Inaugural Session of ICSQTNS-2025.**



**Photo 2. Preside Address by Prof. Ravi Shankar Singh, Hon'ble Vice Chancellor, Maa Pateswari University, Attendees, Guest on Dias and Delivered talk by Dr Jyotsna Singh, Director Center of Excellence in Renewable Energy Education and Research, Lucknow University, Lucknow.**

After the inauguration ceremony, a panel discussion was taken up by three eminent personalities **Prof. Pankaj Kumar Mishra**, (Department of Physics, IIT-ISM, Dhanbad, Jharkhand), **Dr Jyotsna Singh** (Director Center of Excellence in Renewable Energy Education and Research, University of Lucknow, Lucknow, Uttar Pradesh), **Dr R. B. Singh** Associate Professor, Department of Physics, University of Lucknow, Lucknow,

Uttar Pradesh. The conference was graced by the valuable insights presented by the panelists, which was indeed very engaging and helped in extending the audience's horizon. The event was attended by 45 Delegates comprising of Principals, Heads and various position-holders across several institutions across India. The Paper Presentation was divided into 5 sessions with 2 conducted on first day and 3 on second day. Session 1 and 2 comprising of 6 and 7 paper presentations respectively took place in the afternoon from 1-5:00 PM. The first session was conducted in Lalita Shastri Shabbhagar by **Prof. J. P. Pandey**, Principal, M.L.K. P.G. College, Balrampur and **Dr. R. B. Singh**, Department of Physics, Lucknow University, Lucknow. The Rapporteur for the session 1 was **Dr Pushyamitra Mishra**, Assistant Professor, Department of Chemistry, SLBSDC Gonda. The second session, conducted in online mode, was chaired by **Prof. P. K. Singh**, Department of Physics, MLKPG College, Balrampur and **Prof. L. K. Dwivedi**, Head, Department of Physics, KNI Sultanpur, **Dr Ravi praksh Ojha**, Assistant Professor, Department of Chemistry, SLBSDC, Gonda, was the Rapporteur of this session. A networking High Tea was organized at the end of the Day 1, where the participants shared their experiences and expertise while networking and connecting with each other. In the Evening of Day 1, Culture programme organized.



Photo 3: Media Report on ICSQTNS-2025 by Newspapers on dated 01/03/2025.



## DAY 2

01 March 2025

The second day of the conference commenced with session 3, session 4 and session 5 from 9:30 AM to 3:15 PM consisting of 10 paper presentations with the same zeal and vigor. This day panel discussion was taken up by seven eminent personalities **Prof. D. K. Dwivedi**, Department of Physics, MMM University of Technology, Gorakhpur, **Prof. Venktesh Singh**, Central University South Bihar, Bihar, **Prof. Aktar Ali**, Department of Bio Technology, IIT-BHU, Varanasi, **Dr Dharmendra Pratap Singh**, University du Littoral Cote, France, **Dr Arvind Kumar Dubey**, Postdoctoral Scientist, University of Nebraska, USA, **Dr S. K. Mishra**, SRCOM Division CTTC, Barcelona, Spain, **Dr. P. K. Singh**, Institute of Advanced Materials, Sweden in online and Off line mode. The conference was graced by the valuable insights presented by the panelists, which was indeed very engaging and helped in extending the audience's horizon. Session 3 chaired by **Prof. Arvind Sharma**, Head, Department of Zoology, KSPG College, Ayodhya, and **Dr. Rekha Sharma**, Assistant Professor, Department of Botany, SLBSDC, Gonda. **Shri Shishir Tripathi**, Assistant Professor, Department of Zoology, SLBSDC, Gonda as the rapporteur. Session 4 chaired by **Prof. Suneel Pratap Singh**, Principal, SBPG College, Jaunpur along with **Prof. Sanjay Kumar Pandey**, Head, Department of Mathematics, SLBSDC, Gonda. The rapporteur of this session was **Shri Manish Sharma**, Assistant Professor, Department of Mathematics, SLBSDC, Gonda. session 5 chaired by **Prof. Arvind Kumar Dwivedi**, Head, Department of Physics MLKPG College, Balrampur along with **Prof. Sarvan Kumar Shrivastava**, Head, Department of Botany, SLBSDC, Gonda. The rapporteur of this session was **Dr. Puneet Kumar**, Assistant Professor, Department of Chemistry, SLBSDC, Gonda. The successful completion of the paper presentation marked the beginning of the valedictory ceremony which began with the welcome address by **Professor Ravindra Kumar**, Principal, SLBSDC, Gonda, conclusion address by **Prof. Jitendra Singh**, Head, Department of Physics, SLBSDC, Gonda and **Prof. Dileep kumar Dwivedi**, Head, Department of Physics, MMM University of Technology, Gorakhpur with **Prof. Venktesh Singh**, Department of Physics, Central University, South Bihar presided as the Chief Guest for the Valedictory Ceremony. He addressed the audience for the day with his words of wisdom.



Photo 4: Certificates Distribution of ICSQTNS-2025 on dated 01/03/2025.

After the session, the event was concluded with a vote of thanks by **Dr Santosh Kumar Srivastava**, Assistant Professor, Department of Physics, SLBSDC and organizing Secretary of ICSQTNS- 2025 Editorial Board and student volunteering body who made the conference a great success. This was followed by the Convener's Report presented by **Prof. Jitendra Singh**.



Photo 5: Media report of ICSQTNS-2025 .

Thank You

  
**Prof. Jitendra Singh**  
 HOD  
 Department of Physics