



# International Webinar (Lecture Series) on Quantum World: Past, Present & Future

Organized by

Department of Physics (UG & PG)

**PRABHAT KUMAR COLLEGE, CONTAI**

College with Potential for Excellence (under UGC XII Plan) & Re-accredited by NAAC

## Series I

July 03, 2020  
(10.30 am –  
01.00 pm)

**Professor Subramanian Lokanathan**, Formerly Professor of Physics,  
Rajasthan University

**Topic - History of Quantum Theory**



**Professor Ajoy Ghatak**, Meghnad Saha Distinguished Professor,  
NASI, and Formerly Professor of Physics, IIT, Delhi

**Topic - Evolution of Quantum Mechanics**

**Professor Shyamal Kumar Bhadra**

Formerly Emeritus Professor (IACS), Formerly Chief Scientist, CGCRI

**Topic – Nonlinear Phenomena in Optical Fiber &**

**A New Twist on Light by Photonic Crystals**



## Series II

July 08, 2020  
(03.00 pm –  
06.00 pm)

**Professor Bijoy Krishna Das**

Dept of Electrical Engg, IIT, Madras

**Topic - Integrated Quantum Photonics**

## Series III

July 11, 2020  
(05.30 pm –  
08.30 pm)

**Dr. Anand Kumar Jha**

Associate Professor of Physics, IIT Kanpur

**Topic - Quantum Entanglement**



**Dr. Kazi Rajibul Islam**

Assistant Professor, Department of Physics & Astronomy  
University of Waterloo, Canada

**Topic - Quantum Information Processing**

**Registration is Free but Mandatory. See overleaf.**

## About the Webinar

Max Planck's creation of the quantum concept was so revolutionary that it took nearly 30 years for scientists to develop it into the theory that has transformed the way scientists view reality. In an article, 'One Hundred Years of Quantum Physics' published in 'Science' [289, 893 (2000)] Daniel Kleppner and Roman Jackiw rated the theory as "***the most precisely tested and most successful theory in the history of science***". Actually in 2000 we celebrated the Centenary of the Quantum Theory in which spectacular successes were mixed with persistent puzzles. To date Quantum Mechanics has provided powerful technologies and answered many questions. But physicists are raising new questions still to be answered. The end is not near. There are many fronts are left for unveiling. Brilliant prospects lie ahead. The eminent speakers will help us in building basic understanding and also gaining new insights in Quantum Mechanics and its applications by their lucid but resourceful deliberations on concrete, real-world physical phenomena.

**PRABHAT KUMAR COLLEGE** is the oldest College, located at Contai, Purba Medinipur District, West Bengal, India. It was established on July 15, 1926, as an Arts College under the University of Calcutta. In 1985, the College got affiliated to Vidyasagar University. The Institution has been re-accredited by the NAAC in 2015. It was Awarded the status of "***College with Potential for Excellence (CPE)***" by UGC in 2016. Presently, more than seven thousand students are studying in UG, PG and B.Ed. The College has established two Research Centres under the aegis of Vidyasagar University with an objective to undertake and promote sound and original research activities in the disciplines of Humanities and Social Sciences and Natural Sciences leading to award of Ph.D. Degree. The prime objective of the College is to ensure academic excellence and shine in research activities. The College is well-equipped with many the modern facilities including a Central Library.



### CHIEF PATRON

**Mr. Soumendu Adhikari**

Hon'ble President, Governing Body  
Prabhat Kumar College, Contai

### CONVENERS

**Dr. Pradipta Panchadhyayee**

Associate Professor  
Department of Physics (UG & PG)

### MEMBERS, ORGANISING COMMITTEE

**Dr. Sanhita Modak**

**Dr. Pijus Kanti Samanta**

**Dr. Asim Guchhait**

Assistant Professors  
Department of Physics (UG & PG)

### PRESIDENT

**Dr. Amit Kumar De**

Principal  
Prabhat Kumar College, Contai

**Dr. Goutam Manna**

Assistant Professor  
Department of Physics (UG & PG)

**Bivash Majumder**

Assistant Professor  
Department of Mathematics

Registration link: <https://forms.gle/3yd3yCDuoZZUi4CQ8>

Visit: <https://sites.google.com/view/internationalwebinarlecture/home>

Platform: Google Meet :: Live Streaming : YouTube

For any query

Telegram: [https://t.me/joinchat/RHndSR1Qmjo\\_qnR8BHufjw](https://t.me/joinchat/RHndSR1Qmjo_qnR8BHufjw)

Email: [webinar@physicsgoutam.in](mailto:webinar@physicsgoutam.in)

E-certificates will be provided to the Participants  
who will attend all the Lectures.