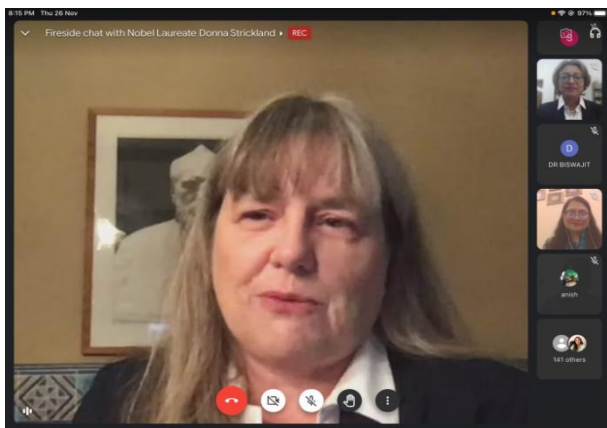


DDMS P OBUL REDDY PUBLIC SCHOOL

FIRESIDE CHAT WITH NOBEL LAUREATE PROFESSOR DONNA STRICKLAND—26 Nov 2020

The CBSE organized a fireside chat session with Nobel Laureate **PROFESSOR DONNA STRICKLAND** on 26th November, 2020. **PROFESSOR DONNA STRICKLAND** is the third woman to bag the Nobel Prize after Mary Curie and Maria Goeppert-Mayer. Donna Strickland was born in Guelph, Ontario, Canada. She became interested in Laser and Electro-Optics early and studied at McMaster University in Hamilton, Ontario. She pursued her Doctoral Studies in the U.S. at the University of Rochester, where she did her Nobel Prize awarded work. She obtained her PhD in 1989. She subsequently worked at Princeton University. Since 1997, she has been working at the University of Waterloo in Canada.



For this session, 100 teachers and Principals altogether, were selected from across the country. Mr.G.Srinivas, Physics Faculty, got an opportunity to participate in the fireside chat session. The following information was shared by the Resource Person, during the chat session.

The sharp beams of laser light have given us new opportunities for deepening our knowledge about the 1985, Gérard Mourou succeeded in creating laser pulses without material. First they time to reduce their time to reduce their them, and finally intensity of the pulse



world and shaping it. In and Donna Strickland ultra-short high-intensity destroying the amplifying stretched the laser pulses in peak power, then amplified compressed them. The then increases dramatically.

"Chirped pulse amplification" has many uses, including corrective eye surgeries.

Professor Donna Strickland also shared her life experiences, struggles that she faced in her life being a woman and her role as a teacher in achieving this greatest position in life.

