STATE LEVEL WEBINAR ON QUANTUM INFORMATION

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Ever since its invention in the 1920s, quantum physics has given rise to countless discussions

<text><text><text><text><text><text><text> and spoke about the thought experiment meant to demonstrate the innate conceptual difficulties of quantum theory which the result of a measurement on one particle of an entangled quantum system can have an instantaneous effect on another particle, regardless of the distance of the two She highlighted Bell's theorem which rules out the possibility that beneath all the apparent quantum — the randomness and the spooky action at a distance — is a hidden

Discussed Quantum entanglement a quantum mechanical phenomenon in which the quantum states of two or more objects have to be described with reference to each other, even though the individual objects may be spatially separated. She highlighted on Quantum entanglement which has applications in the emerging technologies of quantum computing and quantum cryptography,

The programme was concluded by proposing vote of thanks by Smt. N.S. Namitha, Assistant Professor in the Department of Physics and the programme was compered by Miss.

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MISS. K.M. CHANDINI, ASSISTANT PROFESSOR, DEPARTMENT OF PHYSICS- COMPERING THE PROGRAMME







Smt. N. Bharathi, HOD of Physics, welcoming the Resource person and Participants.

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Smt.N.S Namitha, Assistant Professor, Department of Physics proposing vote of thanks

DEPARTMENT OF PHYSICS

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PRESIDENTIAL REMARKS BY PROF. SAINATH MALLIGEMADU-PRINCIPAL, MMK & SDM MAHILA MAHAVIDYALAYA, MYSORE

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REMARKS BY SMT. G.R. SUMITHRA, IQAC CO ORDINATOR AND HEAD OF THE DEPARTMENT OF ELECTRONICS

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We can precisely infer (without disturbing the particle B) epr for two non-commuting observables S _B , and S _B . Vugalitation N Note: "an epr has a counterpart in theory" seems to imply definite numerical value for a physical quantity i.e., the state of the system is an eigenstate of the observable. Plateer Aturned	IN CALL	
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Krutha Agun $ \psi_{AB}\rangle \rightarrow \psi_{Bee}\rangle$ an eigenstate of S_{Be} Chandu if B 2. Measure S_{Ae} on A	Ankith BV Anki	¥
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