



The Institute Lecture Series of Indian Institute of Technology Roorkee, India, presents the

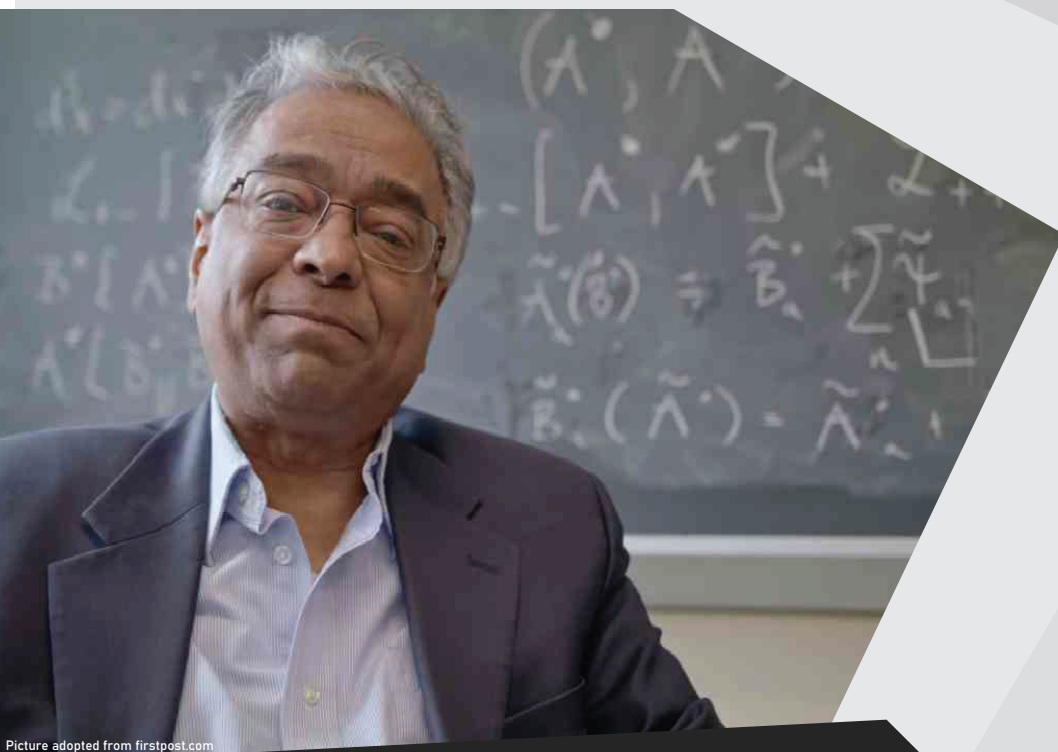
## M.O.U. (Mysteries of Universe)

Lecture Series featuring

# Abhay Ashtekar

Eberly Professor of Physics and the Director of the Institute for Gravitational Physics and Geometry at Pennsylvania State University

Prof. Ashtekar is the founder of the “loop quantum gravity” and loop quantum cosmology which is considered as the only viable alternative of superstring theory.



Picture adopted from firstpost.com

28<sup>th</sup> Nov 8:00 PM Indian standard time (UTC + 5:30)

Exclusively on Zoom meetings

Register at <https://new.iitr.ac.in/ils-mou>

Email us your queries at [paac@iitr.ac.in](mailto:paac@iitr.ac.in) or [aalok.misra@ph.iitr.ac.in](mailto:aalok.misra@ph.iitr.ac.in)

**BLACK HOLES, BIG BANG  
AND GRAVITATIONAL WAVES:  
ILLUSTRATIONS OF PARADIGM  
SHIFTS IN FUNDAMENTAL SCIENCE**