SVKM'S NMIMS Deemed to be UNIVERSITY

Mukesh Patel School Of Technology Management and Engineering

Cosmic Odyssey

Big Bang

The Big Bang event is a physical theory that describes how the universe expanded from an initial state of high density and temperature. It took place like 13.8 billion years ago

Creation of Celestial Bodies

An astronomical object, celestial object, stellar object or heavenly body is a naturally occurring physical entity, association, or structure that exists within the observable universe. In astronomy, the terms object and body are often used interchangeably.

The Dark Matter

Dark matter is not in the form of dark clouds of normal matter, according to new observations. Dark matter is also not antimatter, because we do not see the unique gamma rays that are produced when antimatter annihilates with matter. High concentrations of matter bend light passing near them from objects further away, but there are too few galaxies to make up the required 25% contribution.

Mysterious Theories

The Fecund Universe Theory: This theory proposes that new universes can be created inside black holes. As matter collapses into a singularity inside a black hole, it can create a new "baby universe" that is connected to our own universe through a wormhole.

The Many-Worlds Interpretation of Quantum Mechanics: This is a theory that suggests that every time a quantum event occurs, the universe splits into multiple universes, each containing a different outcome.

The Landscape Multiverse Theory: This theory suggests that there may be a large number of possible configurations of the fundamental constants and laws of physics, and that our universe is just one of many possible universes that happen to have the right conditions to support life.

How "can" the universe end?

A new mathematical model has been revealed that supports the idea that the universe could tear itself apart in 22 billion years, in a moment that everything from galaxies to stars, planets, individual atoms and even time itself are torn to shreds. This theory takes the rapid and accelerating expansion of the universe as its starting point, claims it will increase constantly, eventually reaching infinity with cataclysmic results.

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