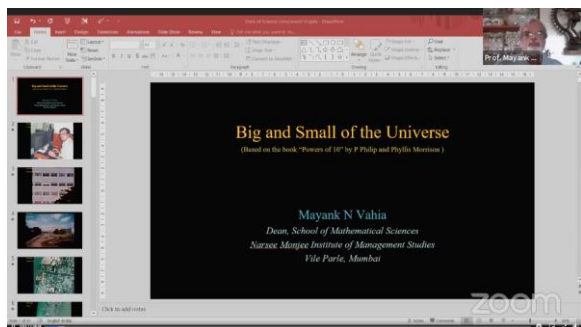


Webinar on “Big and Small of the Universe”

Date: 25-05-2020

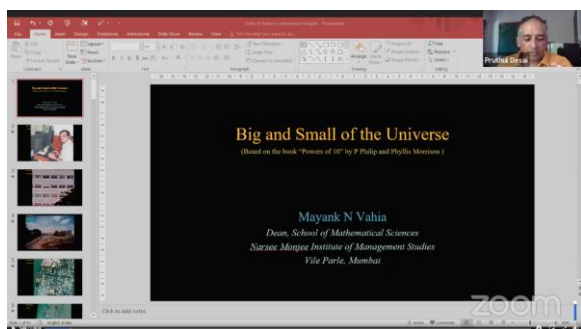
Participants: 889

Prof. Mayank Vahia, Dean School Of Mathematical Sciences,
NMIMS, Mumbai



If you compress the 10^{10} years since the birth of the Universe into 1 calendar year:

The Universe was born on January 1, with Big Bang at 00^h 00^m 00^s.
The galaxies were born in February (12 billion years ago).
The Sun and the Solar System were created in late August (4.5 billion years ago).
The first life forms were born in September (3 billion years ago).
Dinosaurs appeared in early December and died out in a fortnight! (about 0.5 billion years ago).
The first *Homo Sapiens* appear on December 31, 22^h 24^m (1 million years) ago - 1 hour and 36 minutes into the '1 year' life of the universe.
The first human civilisation appeared on December 31, 23:54 i.e. 36 seconds ago (about 10,000 years ago).
I was born less than 0.2 seconds ago and will live for less than 0.4 seconds.



Link to Webinar Video:

<https://www.facebook.com/102940994767328/videos/693976581414864>

Brief Report:

The mankind is always eager to unfold the mysteries of the universe and a continuous endeavour goes on in this field. As a result, he has been able to throw light on many of its properties, phenomena and their explanation. Prof. Mayank Vahia in his talk, starting from a very small object in his laboratory, gradually took us through to the edge of the universe. Then he brought us back to his laboratory. And now starting from his palm, the structure of the skin, the microorganisms present there, he finally took us to the size of nano-meter and even smaller than that. He also briefed the fundamental interactions and their realm. Interestingly, he compressed the time scale since the birth of the universe till date to one year and showed the events occurrence at various stages in it.