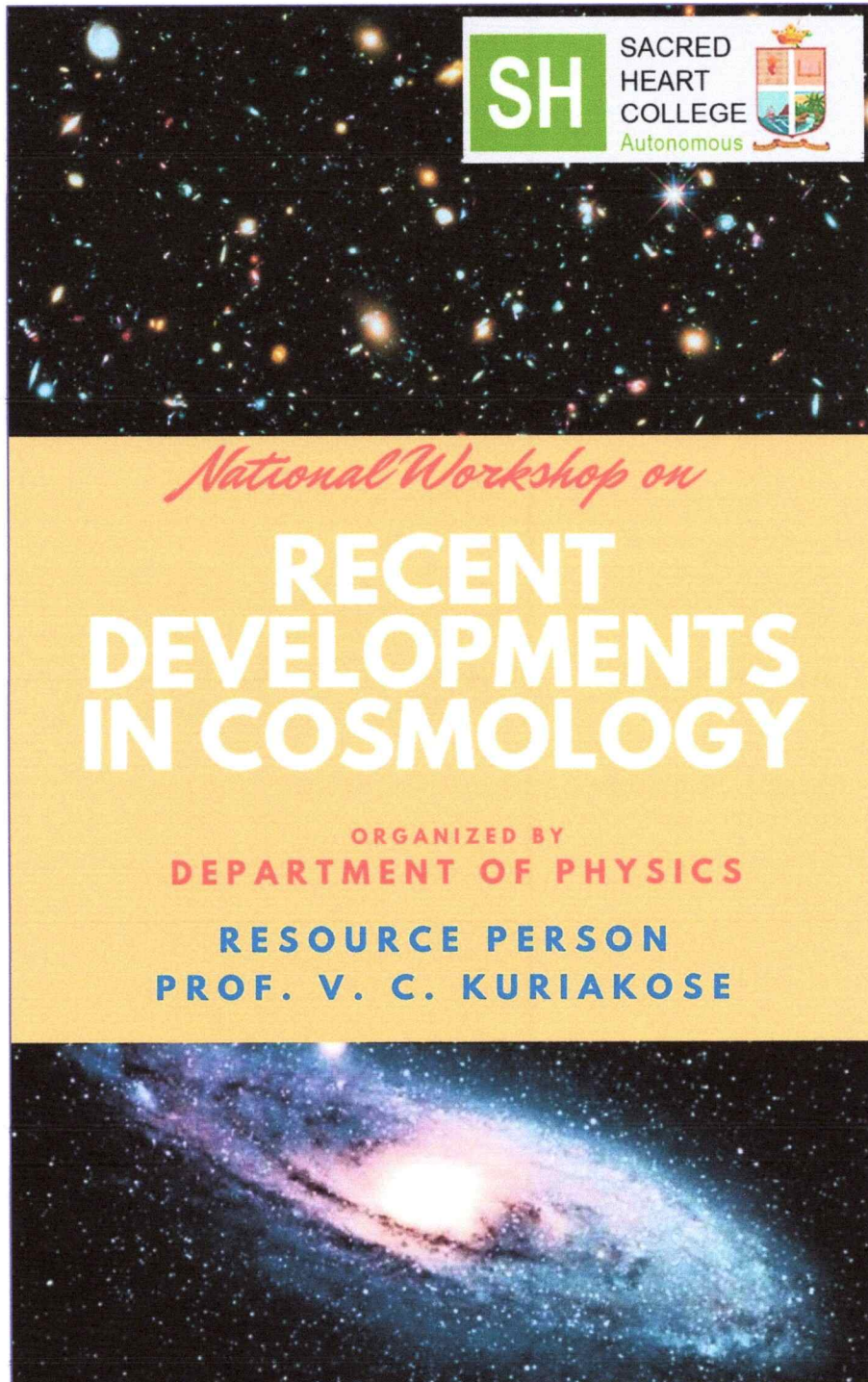


DEPARTMENT OF PHYSICS

SACRED HEART COLLEGE, THEVARA

**NATIONAL WORKSHOP ON RECENT DEVELOPMENTS IN COSMOLOGY
(10/09/2014)**

Resource Person: Prof. V. C. Kuriakose (Department of Physics, CUSAT)



REPORT

The department of physics organized a national workshop on Recent Developments in Cosmology. The objective of the workshop was to enrich the faculty members in the field of cosmology and astrophysics.

The workshop was inaugurated by Rev. Fr. Jose Kuriedathu CMI, the manager of SH College. Fr. Manager urged the faculty to explore new avenues in physics by organizing such important workshops. Principal Rev. Fr. Johnson X Palackappillil CMI appreciated the department and the co-ordinator for the initiative to organize the workshop on this theme.

The resource person was Prof. V. C. Kuriakose, Department of Physics, Cochin University of Science and Technology.

Cosmology is a branch of astronomy concerned with the studies of the origin and evolution of the universe, from the Big Bang to today and on into the future. It is the scientific study of the origin, evolution, and eventual fate of the universe. Prof. Kuriakose explained the concept of cosmology from the basics. He then went on to discuss the recent developments in cosmology like the observed correlation between galaxy spins and initial conditions, the baryon density of the Universe, fast magnetic field amplification in distant galaxy clusters, mass distribution of magnetized quark-nugget dark matter etc.

The session was followed by an active interaction in which the queries of participants were answered by Prof. Kuriakose.

A video show detailing the aspects of cosmological science was also organized as part of the workshop.

Dr. Nijo Varghese, Co-ordinator of the workshop proposed the vote of thanks.

PHOTO



Prof. V. C. Kuriakose delivering the Session on Cosmology Workshop (10/09/2014)

DEPARTMENT OF PHYSICS

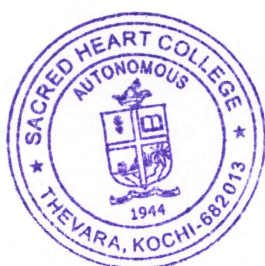
SACRED HEART COLLEGE (AUTONOMOUS), THEVARA

National Workshop on Recent Developments in Cosmology

10th September 2014

LIST OF FACULTY PARTICIPANTS

1. Mr. George Philip
2. Dr. Georgekutty Joseph
3. Mr. V M George
4. Dr. Siby Mathew
5. Mr. Alex Shinu Scaria
6. Dr. Roby Cherian
7. Mr. Varghese Anto Cherayath
8. Dr. Nijo Varghese
9. Dr. Jimmy Sebastian
10. Dr. Sumod S G
11. Dr. Joseph T Moolayil
12. Dr. Thommachen Xavier



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