

K.A.H.M UNITY WOMEN'S COLLEGE
PHYSICS CLUB & DEPARTMENT OF PHYSICS
DOCUMENTARY EXHIBITION

Aim, Objectives, and Scope of the programme:

The aim of the documentary exhibition on "Dark Energy and Dark Matter" is to educate and engage students by providing a comprehensive and accessible understanding of these fundamental components of the universe. The exhibition seeks to highlight the latest scientific discoveries, theoretical frameworks, and the significance of dark energy and dark matter in shaping the cosmos.

Objectives:

1. **Educational Outreach:** To increase public awareness and understanding of dark energy and dark matter, explaining their roles in the universe in a clear and engaging manner.
2. **Scientific Insight:** To present the current state of research, including recent discoveries, experiments, and theoretical advancements in the field of cosmology.
3. **Historical Context:** To explore the history of dark energy and dark matter research, tracing key milestones and the evolution of scientific thought on these topics.
4. **Interactive Learning:** To provide interactive exhibits and multimedia presentations that allow visitors to engage with the material in a hands-on manner.
5. **Highlighting Technology:** To showcase the cutting-edge technology and methodologies used in the detection and study of dark energy and dark matter.

Scope:

1. **Introduction to Dark Energy and Dark Matter:**
 - Basic definitions and properties.
 - Differences between dark energy and dark matter.
 - The significance of these components in the universe.
2. **Historical Overview:**

- Early observations and theoretical developments.
 - Key figures and milestones in the study of dark energy and dark matter.
- 3. Scientific Discoveries and Theories:**
- The discovery of the accelerating expansion of the universe.
 - Leading theories and models explaining dark energy and dark matter.
- 4. Technological Advances:**
- Instruments and technologies used in current research, such as the Large Hadron Collider (LHC), the Dark Energy Survey (DES), and the Hubble Space Telescope.
 - Future missions and experiments aimed at uncovering more about dark energy and dark matter.

By covering these areas, the exhibition aims to provide a thorough and engaging exploration of dark energy and dark matter, making complex scientific concepts accessible and inspiring a sense of wonder about the universe.

Name of the Co ordinator :	Mr Sabeer V
	Assistant Professor
	Department of Physics
Date of programme	21/03/2024
Mode of the programme	Offline
Total no: of participants	37
Organizing body	Physics Club & Department of Physics

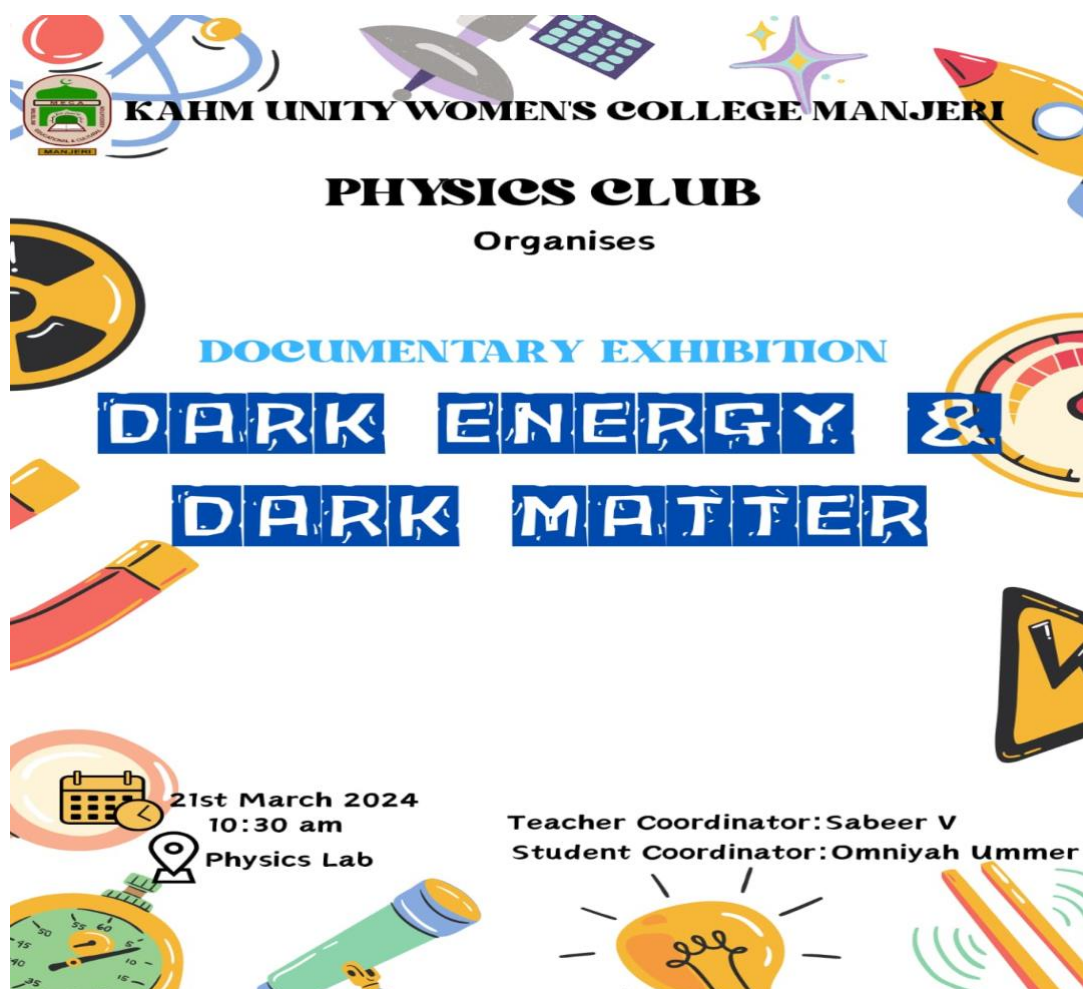
Organizing Committee members	1. Mr.Muhammed Abdul Hakkeem C, Head,Dept.of Physics
	2 . Mr.Sabeer V, Coordinator,Physics Club
	3. Ms.Omniyah Ummer,

Student coordinator & Physics club
secretary

Students Involvement in Organizing the programme:

Students in the Physics club actively involved in the programme. They designed a beautiful brochure for the programme. Moreover they arranged the Physics lab for the exhibition. Geotagged Photos of the programme was taken by students. Registration of participants for the programme, attendance of participants ,etc were recorded by students. Vote of thanks to the organizers and participants was delivered by Ms.Omniyah Ummer, Secretary of Physics club and the student coordinator for the programme.

REPORT







Report:

The documentary exhibition on "Dark Energy and Dark Matter" was successfully conducted on 21st March 2024 at Physics lab. The exhibition aimed to educate the students on these fundamental aspects of the universe, providing insight into current research, historical context, and the latest technological advances in the field of cosmology. Feedback indicated a significant increase in understanding and interest in dark energy and dark matter. The exhibition traced the history of dark energy and dark matter research, highlighting key milestones and influential scientists. Overall, the exhibition successfully conveyed the importance and intrigue of dark energy and dark matter, making complex scientific concepts accessible and inspiring a new generation of cosmologists.

Participants:

SI No:	Name of student	Programme/Subject	Signature
1	Adeeba ca	III Sem B.Sc Chemistry	
2	Nida Abdul Razak	III Sem B.Sc Chemistry	
3	Hiba chatholi	III Sem B.Sc Chemistry	
4	Amla kalangottil	III Sem B.Sc Chemistry	
5	Mubeena AM	III Sem B.Sc Chemistry	
6	Fathima Anooda CK	III Sem B.Sc Chemistry	
7	Numa nasrin vp	III Sem B.Sc Chemistry	
8	Hanna	III Sem B.Sc Chemistry	
9	RINSHA K	III Sem B.Sc Chemistry	
10	Fathima Jasni	III Sem B.Sc Chemistry	
11	Irfana nk	III Sem B.Sc Chemistry	
12	Baby shamla	III Sem B.Sc Chemistry	
13	HASNA NUSRY PN	III Sem B.Sc Chemistry	
14	SAFNA MUBASHIRA P	III Sem B.Sc Chemistry	
15	Dilsha K	III Sem B.Sc Chemistry	
16	Fahmida Farhath. P	III Sem B.Sc Chemistry	
17	Sahla k	III Sem B.Sc Chemistry	
18	Fathima hiba. B	III Sem B.Sc Chemistry	
19	Shakira jumana	III Sem B.Sc Chemistry	
20	Muhsina c	III Sem B.Sc Chemistry	
21	Safnamozhikkal	III Sem B.Sc Chemistry	
22	Kadeeja Sulfana.K	III Sem B.Sc Chemistry	
23	Fathima Liyana KT	III Sem B.Sc Chemistry	
24	Fathima Fidha KP	III Sem B.Sc Chemistry	

25	RAISHADA M	III Sem B.Sc Chemistry	
26	Afna Rimzi KT	III Sem B.Sc Chemistry	
27	Fidha M	III Sem B.Sc Chemistry	
28	Hanna Jasmin	III Sem B.Sc Chemistry	
29	Shahana sherin T	III Sem B.Sc Chemistry	
30	Fathima minha. C	III Sem B.Sc Chemistry	
31	FIDHA NASHMA TP	III Sem B.Sc Chemistry	
32	Fathima Mirshana TP	III Sem B.Sc Chemistry	

Feedback of the programme:

After completion of the programme feedback of students were collected through google form and analysed.

Name of participant	How satisfied were you with the programme	The program me was very much relevant and helpful	Did the program me meet your expectations?	Would you say the programme was interactive?	Did the program me help you with new learn ings or know ledge ?	Would you say the resou rce perso n were knowl edgea ble?	How satisf ied were you with the Topi c?	How satisf ied were you with the Prese ntati on Style ?
ANSHIDA FARHA K	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Satisf ied	Satisf ied
ASHIKAMOL K	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Very satisfi ed	Very Satisf ied
ASNA NT	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Very satisfi ed	Very Satisf ied
AYISHA MINNA M	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Satisf ied	Satisf ied
FANSHA.K	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Very satisfi ed	Very Satisf ied

FARHA SALEEM C H	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Very satisfi ed	Very Satisf ied
FATHIMA AJEESHA P	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Satisf ied	Satisf ied
FATHIMA BINSHIDA T P	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Very satisfi ed	Very Satisf ied
FATHIMA DILSHA U	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Very satisfi ed	Very Satisf ied
FATHIMA MIDHA K	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Satisf ied	Satisf ied
NASNA N	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Very satisfi ed	Very Satisf ied
NIDHA JABIN CP	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Very satisfi ed	Very Satisf ied
NIYA FATHIMA PM	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Satisf ied	Satisf ied
NOURIN CK	Satisfied	Agree	Yes	Yes	Yes	Yes	Very satisfi ed	Very Satisf ied
NUEMA ANEES K	Very Satisfied	Agree	Yes	Yes	Yes	Yes	Satisf ied	Satisf ied

OMNIYAH	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Very satisfied	Very Satisfied
RANIYA AK	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Very satisfied	Very Satisfied
RISLA FATHIMA N	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Very satisfied	Very Satisfied
ROSHIN K	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Very satisfied	Very Satisfied
SAHADIYA K	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Satisfied	Satisfied
SHAHADIYA T	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Very satisfied	Very Satisfied
SHAHAMAT HU SHAHANA N	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Very satisfied	Very Satisfied
SHAHANA K	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Very satisfied	Very Satisfied
SHIFLA NANAKKAL	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Very satisfied	Very Satisfied
THANSHEEH A. K	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Very satisfied	Very Satisfied

SHARMINA THASNI P	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Very satisfied	Very Satisfied
SHILNA NIHALA E	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Satisfied	Satisfied
APARNA AP	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Very satisfied	Very Satisfied
DILFA. K	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Very satisfied	Very Satisfied
FIDHA GAFOOR P	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Satisfied	Satisfied
PARVATHY T	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Very satisfied	Very Satisfied
RINSHA	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Very satisfied	Very Satisfied
SHAJERIN CK	Very Satisfied	Strongly agree	Yes	Yes	Yes	Yes	Satisfied	Satisfied
SHAMILA ck								

Feedback analysis

Feedback of participants proved that the programme was very useful, effective and informative.

Outcome, Evaluation and Results of the Programme

The exhibition significantly raised awareness about dark energy and dark matter among the students. Attendees gained a clearer understanding of these complex topics, as evidenced by feedback and engagement during the event. A significant number of students indicated they were inspired to pursue further education in astrophysics and related fields. Overall, the exhibition was a resounding success, creating a lasting impact on attendees and contributing to the public understanding of dark energy and dark matter.

14. Signature of the organizing secretary