

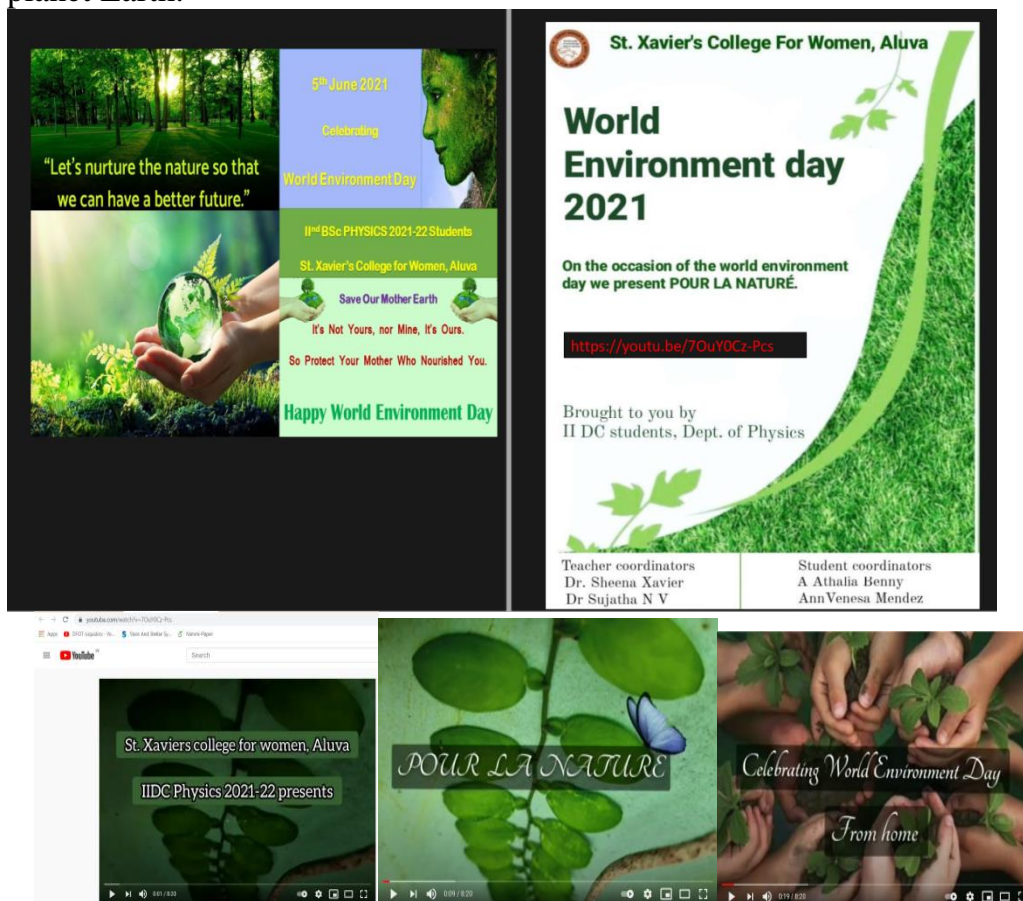


ST. XAVIER'S COLLEGE FOR WOMEN, ALUVA
REACCREDITED BY NAAC WITH A GRADE (CGPA 3.33)
ISO 9001-2015 CERTIFIED

DEPARTMENT OF PHYSICS
ANNUAL REPORT
2021-2022

1. POUR LA NATURE – WORLD ENVIRONMENT DAY 2021

As part of the Social Extension Program of St. Xavier's College for Women, Aluva, on 5-6-2021, the II DC Physics students of 2021-22 batch created a short video and uploaded it on the College YouTube channel for the public to create general awareness in the society about environment protection, and saving our planet Earth.



2. Introductory Workshop series on Virtual Labs

To give hands-on training on how to work with Virtual lab was given to UG Core and Complementary students. Sessions were led by Dr. Vimala George, Dr. Sujatha N.V, Ms. Jonis V.C. on 9/6/2021, 14/6/2021 and 14/6/21.



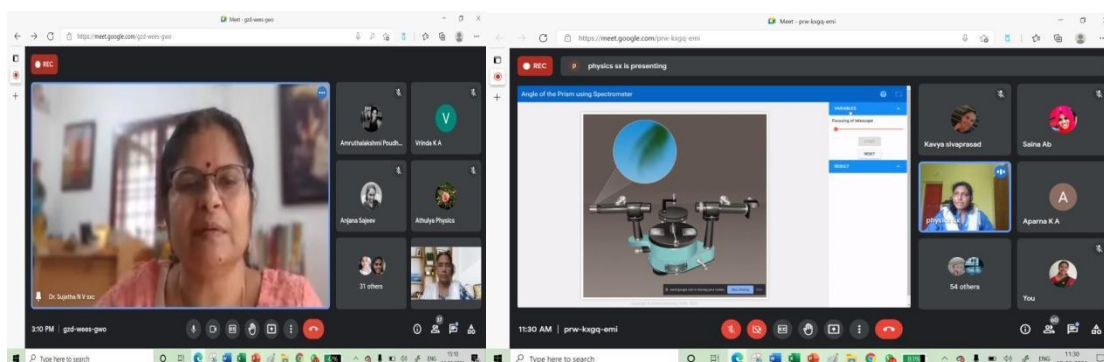
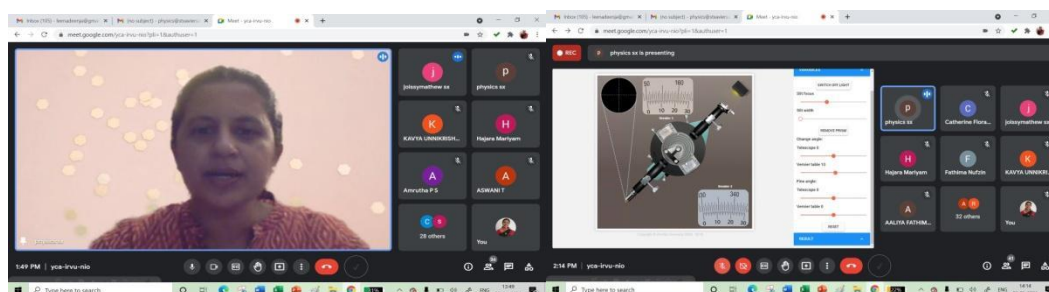
**POSTGRADUATE DEPT. OF PHYSICS & RESEARCH CENTRE
ST. XAVIER'S COLLEGE FOR WOMEN, ALUVA**
(Nodal Centre under NITK, Surathkal)
organises
**INTRODUCTORY WORKSHOP SERIES
ON
VIRTUAL LABS**

RESOURCE PERSONS:
DR.VIMALA GEORGE
MS.JONIS VC
DR.SUJATHA NV

SESSIONS ON:
09/06/21 1:30 PM III UG CORE
14/06/21 3 PM II UG CORE
19/06/21 11 AM II UG COMPLEMENTARY

COORDINATORS:
DR. SHEENA XAVIER
MS.LEENA DEENJA(HOD)
DR.JOISSY MATHEW
DR.VIMALA GEORGE
MS.JONISVC
DR.SUJATHA NV

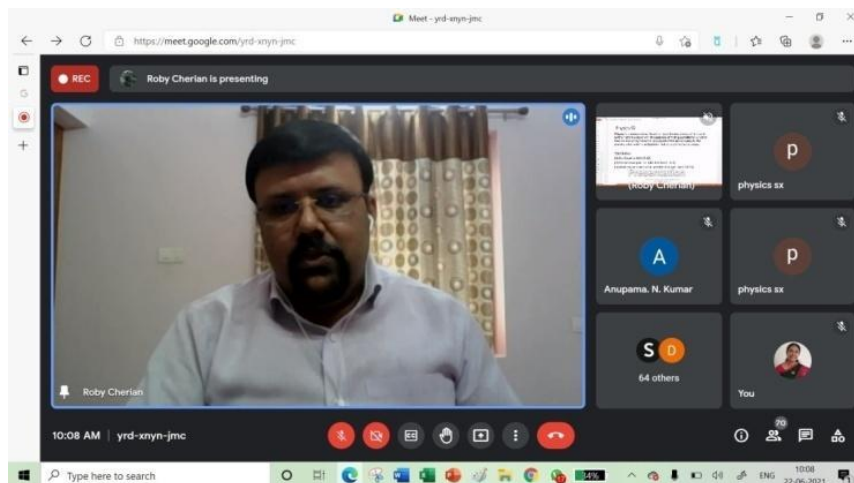
Click here to join the live session

3.Webinar on Career Aspects in Physics

A webinar on Career Aspects in Physics was conducted for outgoing students (UG& PG) on 22/6/21. Dr. Roby Cherian, Assistant Professor in Physics, SH College Thevara was the resource person.

It was an enlightening session for the students about different job and higher studies opportunities in the field of Physics.




4. Energy Conservation and Management awareness program

An awareness programme on energy management and conservation for parents of the college was given on 22/7/21. Dr.Vimala George Assistant Professor in Physics led the session. The session focused on different techniques that help to reduce our electricity usage.

**ST. XAVIER'S COLLEGE FOR WOMEN
ALUVA**

Postgraduate Department Of Physics in
Association with Energy & Environment
Conservation Club organizes a talk on
**"ENERGY CONSERVATION AND
MANAGEMENT"**
for Parents

RESOURCE PERSON



Platform :Google Meet
Link : <https://meet.google.com/izq-boef-yqo>

DR.VIMALA GEORGE
Assistant Professor
Department of Physics
St. Xavier's College for women,
Aluva.

Date : 22/7/2021
Time: 11 am

GLS, CFL & LED ബൾബുകളുടെ താരതമ്യപട്ടിക	GLS 60W	CFL 14W	LED 7W
കത്തുന്ന സമയം(Burning hours)	1000	8000	50000
50000	50000	50000	50000
തണിപ്പുകൾക്ക് ആവശ്യമായ ബൾബുകളുടെ എണ്ണം bulbs/tubes	50 x 11 = 550	7 x 120 = 840	1 x 250 = 250
50000	50000x 60/1000 = 3000kWh	50000x14/1000 = 700kWh	50000x7/1000 = 350kWh
തണിപ്പുകൾക്ക് ആവശ്യമായ ഊർജ്ജം	Rs. 10,500	Rs. 2450	Rs.1225
ഊർജ്ജവില @ Rs. 3.5	550x10500 = 11050	840 = 2450 = Rs. 3290	250 = 1225 = Rs.1475
ആകെത്തുക (life cycle cost)			

5. Inauguration of Physics Association & Webinar on Laser and its Medical Applications

The activities of the Physics Association for the year 2021-22 were inaugurated by Dr. Jojo. P.J Principal Fatima Mata College, Kollam on 30/7/2021. An enlightening talk on “Laser and its Medical Application “ was also conducted.

POST- GRADUATE DEPARTMENT OF PHYSICS & RESEARCH CENTRE
St. Xavier's College for Women, Aluva

We, the staff and students of the Post Graduate Department of Physics & Research Centre cordially invite you to the inauguration of the activities of the Physics Association for the year 2021-22.

Date : 30/7/2021
Time : 9:30 am

Join us with Google Meet:
meet.google.com/qgm-wcwn-wfb

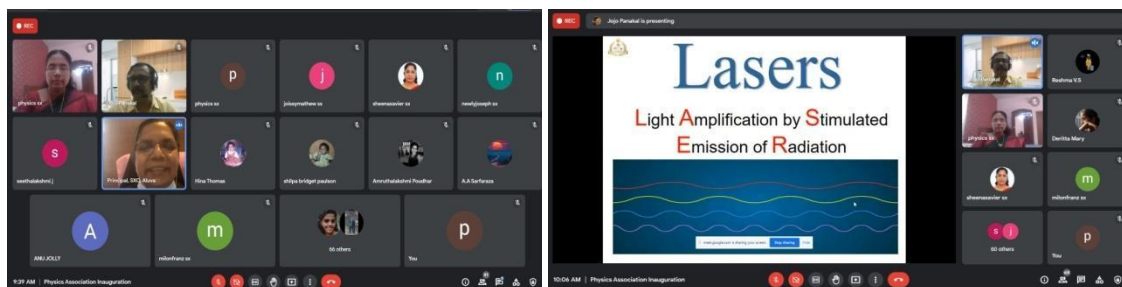
Programme Schedule

Presidential Address :
Rev.Dr.Sr.Geejee Joanamma Xavier
(Principal, SXC, Aluva)

Inaugural Address :
Dr.Jojo P.J.
(Principal, Fatima Mata National College, Kollam)

Felicitation :
Dr.Milon Franz
(Associate Professor, Dept. of English)

Talk on:
LASER and its Medical Applications
By
Dr. Jojo P.J.



6. International Webinar on “STEMming the tide: Fostering girls to STEM in particular Physics”

An International Webinar on “STEMming the tide: Fostering girls to STEM in particular Physics” was conducted on 1/09/21. Dr. Maria Parappilly from Flinders University was the resource person. Around 100 delegates from various institutions participated in this webinar. The webinar helped to explore the new openings in STEM particularly for girls.

POST-GRADUATE DEPARTMENT OF PHYSICS & RESEARCH CENTRE
St. Xavier's College for Women, Aluva -683101
Nationally Re - Accredited A Grade, CGPA 3.33
Affiliated to Mahatma Gandhi University, Kottayam

Organises
An International Webinar On
"STEMming the tide: Fostering girls to turn to STEM in particular Physics"

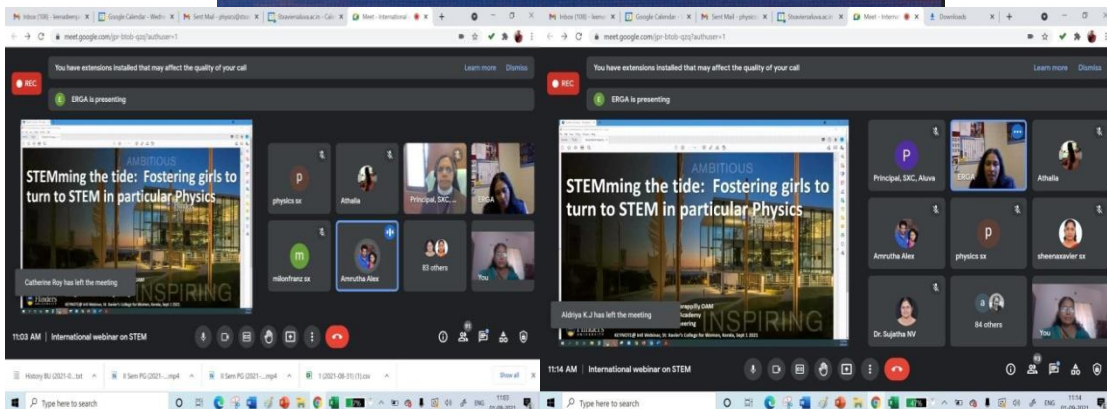
Date: 1/9/2021 Time: 11 am
Join with Google Meet: <https://meet.google.com/jpr-btob-qzq>

Rev. Dr. Sr. Geega Joanamma Xavier (Principal)
Ms. Leena Deenja N G (Head of the Department)
Dr. Vimala George (Co-Ordinator)
Ms. Jonis V C (Co-Ordinator)

Organising Committee:
Dr. Sheena Xavier
Dr. Joissy Mathew
Dr. Sujatha.N.V
Dr. Bindhu Christopher

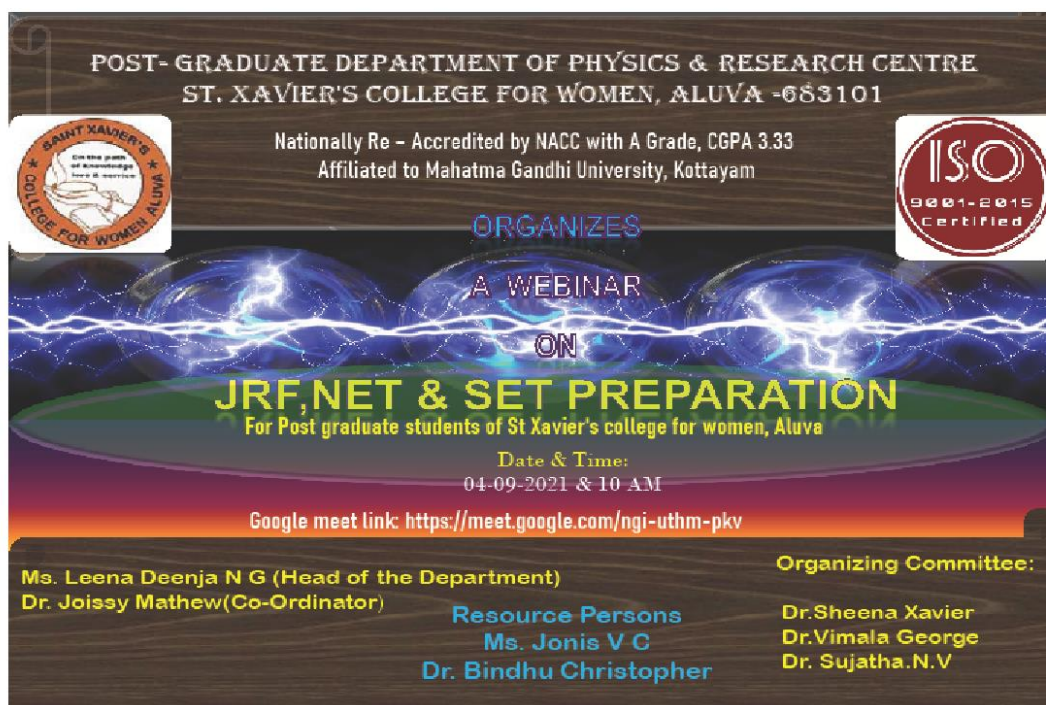

A/Prof Maria Parappilly OAM
Associate Professor (Physics)
Director: STEM Enrichment Academy
Founder: STEM Women Branching Out
College of Science & Engineering, Australia


Click Here To Register





7. Motivational talk on NET, JRF, SET preparation

A motivational talk was arranged for PG students to inspire them for preparing NET exam. 19 students participated. The experiences of the teachers during their preparation were shared and it was really motivating the students.



POST-GRADUATE DEPARTMENT OF PHYSICS & RESEARCH CENTRE
ST. XAVIER'S COLLEGE FOR WOMEN, ALUVA -683101

 Nationally Re - Accredited by NACC with A Grade, CGPA 3.33
Affiliated to Mahatma Gandhi University, Kottayam 

ORGANIZES
A WEBINAR
ON
JRF, NET & SET PREPARATION
For Post graduate students of St Xavier's college for women, Aluva

Date & Time:
04-09-2021 & 10 AM


Google meet link: <https://meet.google.com/ngi-uthm-pkv>

Ms. Leena Deenja N G (Head of the Department) Dr. Joissy Mathew (Co-Ordinator)	Resource Persons Ms. Jonis V C Dr. Bindhu Christopher	Organizing Committee: Dr. Sheena Xavier Dr. Vimala George Dr. Sujatha. N.V
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8. Webinar on Problem-solving to Mechanics

A Webinar on "Problem Solving to learn Mechanics" was conducted for III B.Sc. students to give about different methods to crack problems in Mechanics.




ST. XAVIER'S COLLEGE FOR WOMEN , ALUVA
REACCREDITED BY NAAC WITH A GRADE

**Post Graduate Department of Physics
& Research Centre
Organizes a**

**WEBINAR
ON
PROBLEM - SOLVING TO LEARN
MECHANICS
FOR UG STUDENTS**

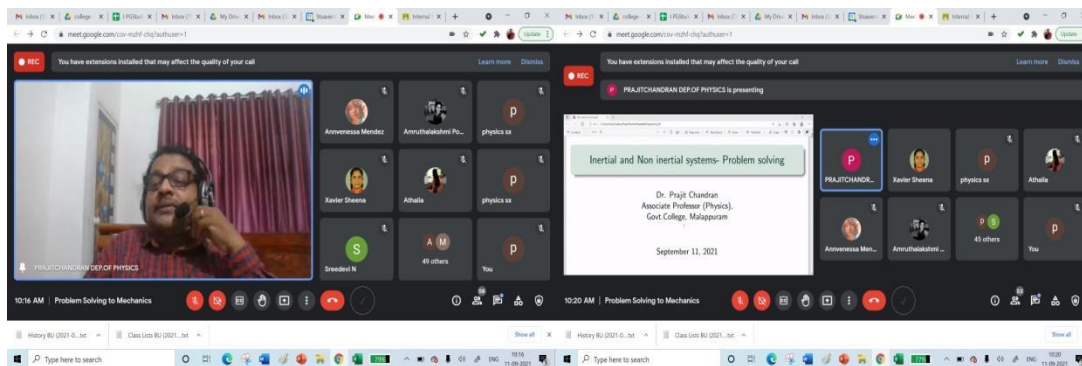
DATE : 11-09-2021 **TIME : 10 AM**



Resource Person:
Dr. Prajit Chandran
Associate Professor
Government College, Malappuram.

Join with Google Meet:
meet.google.com/cov-mzhf-chq

Co-Ordinators:
Ms. Leena Deenja N G
Dr. Sheena Xavier
Ms. Jonis V C



9. Winners Meet

The winner's Meet was conducted to congratulate the third rank holder Aswathy K R and tenth rank holder Mariya Rose and all the A+ winners of the Physics Department.

WINNER'S MEET

Organised by

PHYSICS ASSOCIATION 2021-22

@ 3pm on 08/09/2021

via



click to join

S

GRADE



ASWATHY K R
CCPA 9.63
THIRD RANK HOLDER IN MG
UNIVERSITY

A+

GRADE



MARIA ROSE (CCPA 9.42)



ANJALI M NAIR (CCPA 9.32)



SHAHANA O A (CCPA 9.23)



MEGHA UNNIKRISHNANAN (CCPA 9.15)



FARGANA FATHIM (CCPA 8.93)



FATHIMMA BAFAEK (CCPA 8.85)



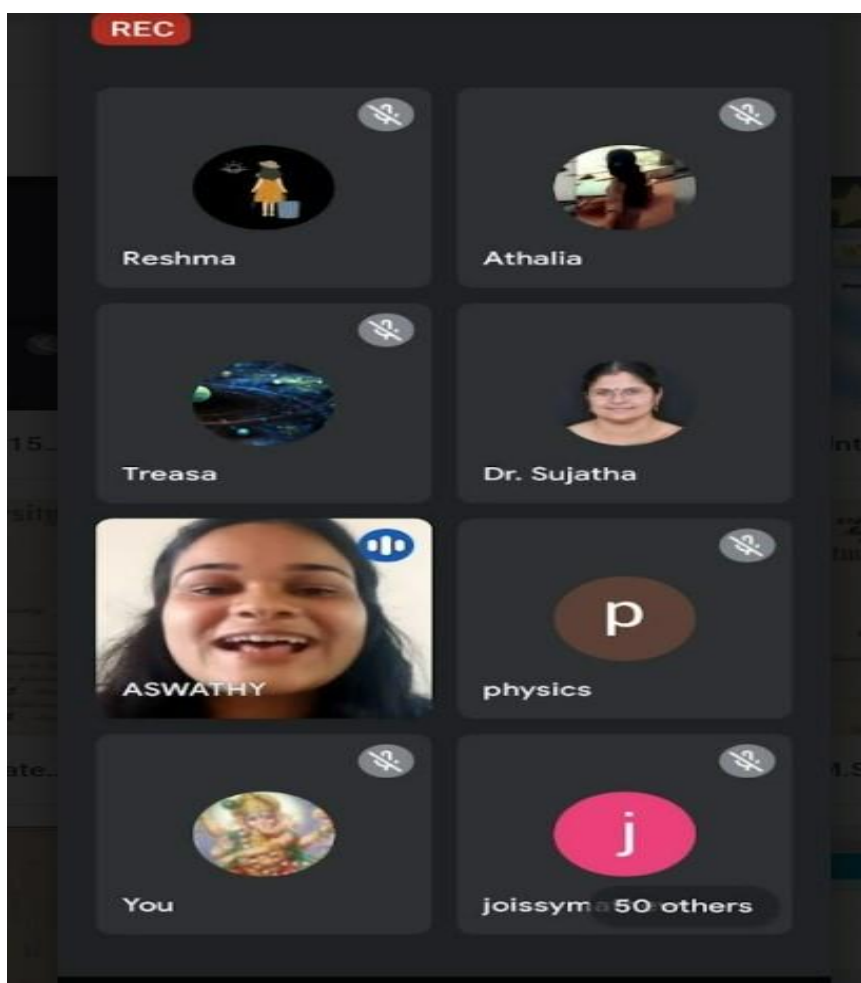
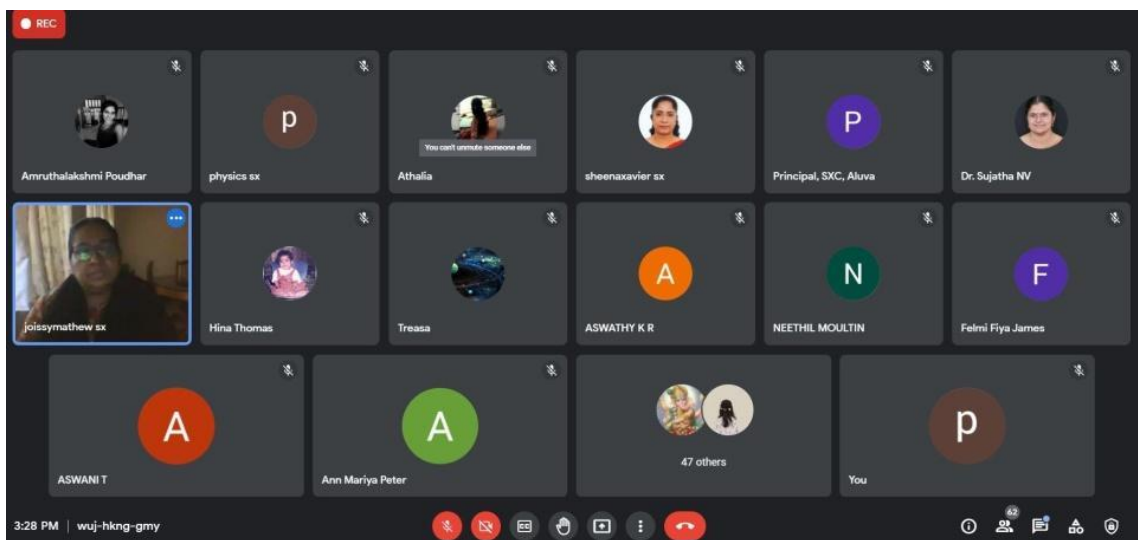
SWETHA SANJAR(CCPA 8.78)



ANIANA ARITH (CCPA 8.72)

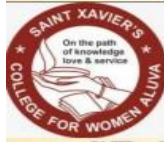


ANGEL MARYA(CCPA 8.63)



10. Induction programme for First Year Degree students

An induction programme for the students and parents of the First-year B.Sc. was conducted on 1/10/21. This programme was conducted to introduce the activities, and courses offered by the department. The departmental club Energy and Environmental Conservation Club was also introduced to them.



ST. XAVIER'S COLLEGE FOR WOMEN, Aluva
REACCREDITED BY NAAC with A GRADE

**Post-Graduate Department of Physics
& Research Centre**

Organizes an

INDUCTION PROGRAMME

FOR FIRST YEAR UG STUDENTS & PARENTS

TIME:10AM **DATE:1/10/2021**

<https://meet.google.com/khq-qsjk-dvp>

Co-Ordinators:
Ms.Leena Deenja N G
Ms.Jonis V C

