ASSOCIATION ACTIVITY REPORT DEPARTMENT OF PHYSICS

Auxilium College (Autonomous) - Vellore- 6

Monthly Report - JULY (2018-2019)

Department : DEPARTMENT OF PHYSICS

No. of. Activities 01

Activity I

Date : 11.08.2018

Event : MONTH VALUE – JUNE 2018 – 'APPRECIATION'

No. of. Participants : SHIFT II (STUDENTS & FACULTY)

Brief report : Prayer service followed by a skit on the value Appreciation was

performed by students of Physics department.

Respected Rev. Dr. Sr. Regina (Principal) and Rev. Dr. Sr. Sheela (Vice-Principal Shift II) graced the occasion by their valuable presence. Rev. Dr. Sr. Regina (Principal) gave a thought provoking talk on the values to be followed in our life, especially the importance of appreciating and motivating our neighbors and helping in each other growth.

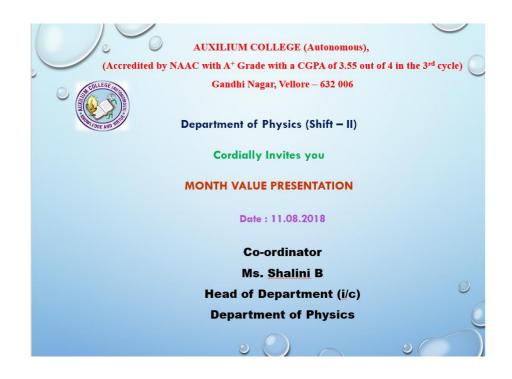


Photo Description

PRAYER SERVICE





Auxilium College (Autonomous) - Vellore- 6

Monthly Report - AUGUST (2018-2019)

Department : DEPARTMENT OF PHYSICS

No. of. Activities 01

Activity I

Date : 11.08.2018

Event : INDUSTRIAL VISIT (VAINU BAPPU OBSERVATORY,

KAVALUR, TAMIL NADU 635 701)

Program : VBO GOLDEN JUBILEE

Chief Guest : DR RANJAN GUPTAA (SENIOR SCIENTIST)

IUCAA, PUNE, INDIA

No. of. Participants : 11 (STUDENTS) + 1 (FACULTY)

Brief report : Eleven Students accompanied by staff went for an Industrial Visit to

Vainu Bappu Observatory, Kavalur which is located in Jawadi Hills, Alangayam, Tamil Nadu. Dr. Ranjan Guptaa, Chief guest of the days's program gave a talk on "India's involvement in Mega Projects in Astronomy". Various Projects around the globe like ITER, TMT, LHC, INO, SKA, ASTOSAT, INDIGO-UGO and ADITYA-L1 MISSION was explained. He also gave a motivational talk to the students on the scope of Astro Physics and the projects for students was outlined. Ms. Sonu M and Ms. Raksha P of B.Sc Physics (III rd year) gave a presentation on 'BLACK HOLES' and won the

2nd Prize for the same. The trip was more informative and useful.

Photo Description



From Left (standing): P Dhanjana Devi, P Haritha, R Shanthi, P Anitha, S Arthi, V Punitha, M Manimozhi, A Shiny Febena (Staff)

From Left (sitting): P Raksha, M Sonu, S Dhaarani, S Atchia

VAINU BAPPU OBSERVATORY. KAVALUR 11.08.2018



VAINU BAPPU OBSERVATORY, KAVALUR 11.08.2018 II Prize – Oral Presentation





Auxilium College (Autonomous) - Vellore- 6

Monthly Report - AUGUST (2018-2019)

Department : DEPARTMENT OF PHYSICS (UG)

No. of. Activities 02

Activity II

Date : 29.08.2018

Event : Physics Association Activity - DEBATE

Topic : TECHNOLOGY: A BOON OR BANE FOR THE STUDENTS

Chief Guest : Ms THENMOZHI

ASSISTANT PROFESSOR (ENGLISH)

AUXILIUM COLLEGE, KATPADI

No. of. Participants 11

Place : AUXILIUM COLLEGE, KATPADI

No. of. Beneficiaries 70

Brief report : Debate has been conducted as an activity for the academic benefits that are an outcome of training in persuasion, rhetoric, argument, and organized communication. In the activity, students prepared and expressed their views in an effective manner responded to arguments cogently with which they didn't agree. The chief guest's evaluation was based on critical thinking abilities, solution of problems in a creative way and self-confidence of the Speaker.



NAME OF THE PARTICIPANTS

- 1. RAKSHA P
- 2. SONU M
- 3. PAVITHRA G
- 4. ARTHI S
- 5. BARKAVI
- 6. DEVADHARSHINI
- 7. VARSHA
- 8. DISHOUNDARIYA
- 9. SHIVARANJANI K
- 10. MONICA A
- 11. CHRIS A SMITH

Photo Description





PRINCIPAL
AUXILIUM COLLEGE (Autonomous)
Gandhi Nagar, Vellore District, Tamil Nadu.

Auxilium College (Autonomous)- Vellore- 6

Monthly Report - July -2019-2020

Department : Physics

No. of. Activities 1

Activity I

Date : 17th July 2019

Event : Seminar

Topic :Inaugural address & Special lecture on "Low dimensional Materials"

Chief Guest : Dr. P. Seenuvasakumaran, Associate Prof., Department of Physics,

Muthurangam Govt. Arts College, Vellore

No. of. Participants :All UG & PG students of Physics (Shift I & II)

Place :Auxilium College, Katpadi

No.of. Beneficiaries : -

Brief report :

The inauguration of Physics association for the academic year 2019-20 was held on 17th July 2019. The chief guest of the day was **Dr. P. Seenuvasakumaran**, Associate Prof., Department of Physics, **Muthurangam Govt. Arts College, Vellore**. The event started with a prayer song and followed by *Ms. R. Mary Jamila*, Asst. Prof. of Physics, introduced the chief guest and welcomed the gathering.

The inaugural address was delivered by the chief guest Dr. P. Seenuvasakumaran. He gave a lecture on the fascinating behaviour of "Low dimensional materials" and explained how the physical and chemical properties of the matter can be tailored by bringing down its dimensions up to nanometres. He started with an historical overview to nanoscience& nanotechnology and brought out its significance by mentioning its unique properties with illustrations and wide range of its applications. *Ms. B. Shalini*, Asst. Prof. of Physics proposed the vote of thanks. The inaugural ceremony was concluded with National anthem.

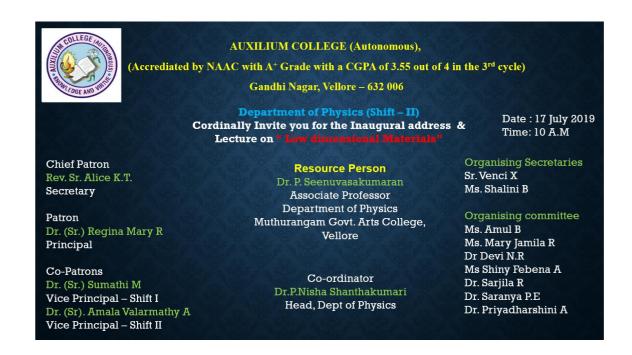


Photo Description : **Dignitaries on the dais**



Chief Guest while delivering his talk



DEPARTMENT OF PHYSICS – ASSOCIATION REPORT SEPTEMBER (2019-2020)

Date : 30.09.2019

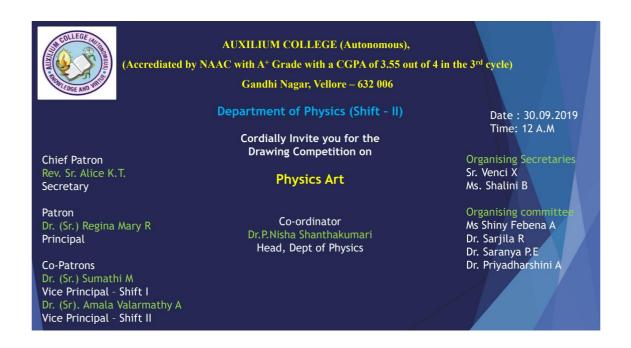
Event : Drawing competition

Topic : Physics Art

Place : Seminar Hall

Brief report : In the motive of enhancing the young minds with creative ideas,

drawing competition organized. Students participated and exhibited their drawing skills.

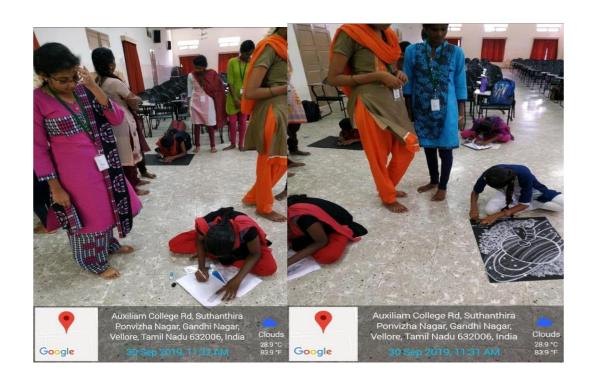


RESULT:

1st Place: Swetha – II B.Sc Physics

2nd Place: Maria Suji – III B.Sc Physics





Auxilium College (Autonomous) - Vellore- 6

Monthly Report - NOVEMBER (2019-2020)

Department : DEPARTMENT OF PHYSICS

No. of. Activities 01

Activity I

Date : 26.11.2019

Event : DEBATE

Topic : Technology : Advantage or Disadvantage

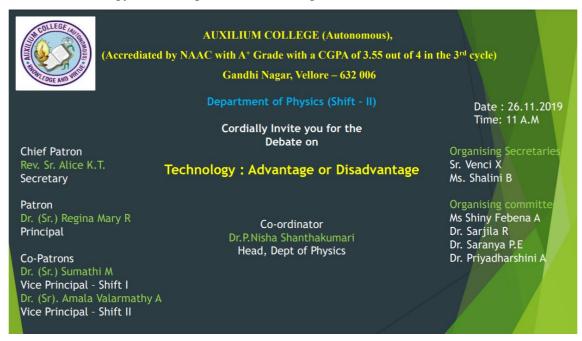
Staff in charge : Ms SHINY FEBENA A, ASSISTANT PROFESSOR (Physics)

No. of. Participants 10

Place : Seminar Hall

No. of. Beneficiaries 100

Brief report : Debating helps students to develop essential critical thinking skills – the ability to make reasoned and well thought out arguments in addition to questioning the evidence behind a particular stance or conclusion. Ten students participated and gave their points on Technology: Advantage and disadvantage.



STUDENT PARTICIPANT DETAILS:

- 1. Sr Deepika A B Sc Physics I year
- 2. Amirthavarashini V B Sc Physics I year

- 3. Kesavapriya B Sc Physics I year
- 4. Sri Devi B Sc Physics I year
- 5. Mythreyi S B Sc Physics II year
- 6. Swetha P B Sc Physics II year
- 7. Praveena S B Sc Physics III year
- 8. Maria Varsha B Sc Physics III year
- 9. DeepaLakshmi B Sc Physics III year
- 10. Shinny Angel Pascal B Sc Physics III year





Auxilium College (Autonomous) - Vellore- 6

Monthly Report - DECEMBER (2019-2020)

Department : DEPARTMENT OF PHYSICS

No. of. Activities 01

Activity I

Date : 18.12.2019

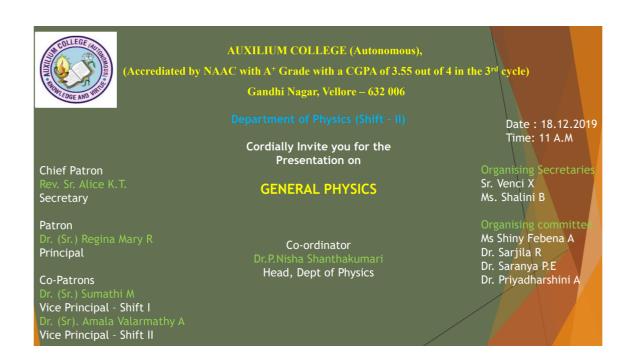
Event : Physics Association (2019-2020)

Topic : GENERAL PHYSICS

No. of. Participants 08

Place : AUXILIUM COLLEGE, KATPADI

No. of. Beneficiaries 98



Brief report : In motive of making students to learn about power point presentation and to encourage them for the same. Presentation on 'General Physics' was given by 8 students. The participant details is given below:

S No	NAME OF THE STUDENT	PRESENTATION TOPIC
1	Deepika T (III year)	Nanotechnology in medicine
2	Bhargavi (III year)	Aurora
3	Swetha P (II year)	Aliens
4	Sivaranjani K (II year)	Indian mythology
5	Priyadharshini (I year)	CNT/Graphene
6	Chris A Smith(II year)	Nanotechnology
7	Akila (I year)	Compressed air engine
8	Vidhya (I year)	Nuclear Physics





PRINCIPAL

AUXILIUM COLLEGE (Autonomous)
Gandhi Nagar, Vellore - 632 006.

Vellore District, Tamil Nadu.

PHYSICS DEPARTMENT ASSOCIATION ACTIVITIES

AUGUST (2021 – 2022)

Date : 28.8.2021

Event : Physics Association (2021-2022) Inauguration

Topic : The Science behind Everything

AUXILIUM COLLEGE (AUTONOMOUS)

ACCREDITEDVBY NAAC WITH A+ GRADE WITH CGPA 3.55 OUT OF 4 IN IN THE 3RD CYCLE



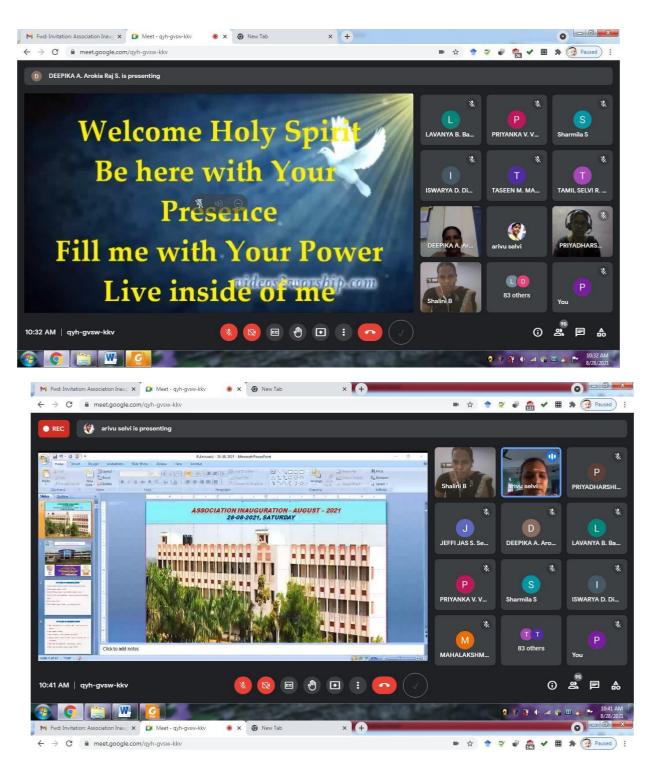
AUG 28

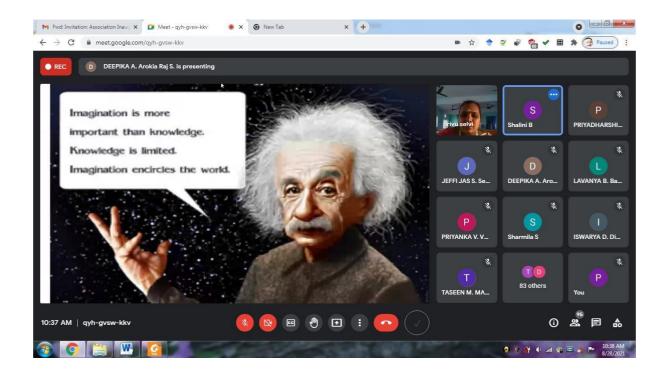
2021

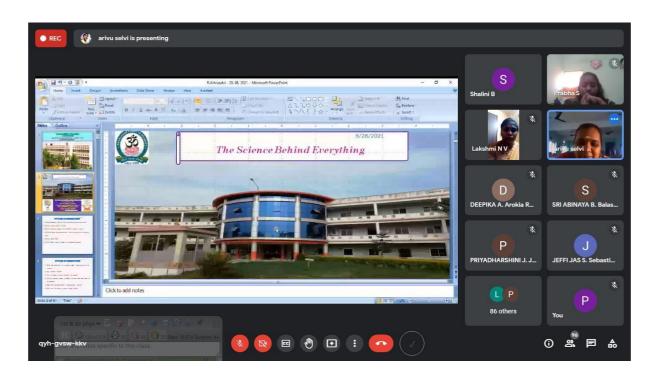
INAUGURATION OF
PHYSICS ASSOCIATION
"SCIENCE BEHIND EVERYTHING"

CHIEF GUEST
DR.ARIVUSELVI
ASSISTANT PROFESSOR & HEAD,
PG & RESEARCH
DEPARTMENT OF PHYSICS,
SRI VIDYA MANDIR ARTS AND SCIENCE
COLLEGE,
KRISHNAGIRI

Brief report : Physics association inauguration was held at 10.30 AM on 28th August 2021. UG physics students and staff members were attended the inauguration Programme through Google meet. Dr.R.Arivuselvi, Assistant Professor & Head, PG & Research department of physics, Sri Vidya Mandir Arts and Science college, Krishnagiri was gave the lecture on the topic of "The Science Behind Everything".







ASSOCIATION ACTIVITY OCTOBER 2021-22

Date : 18.10.2021

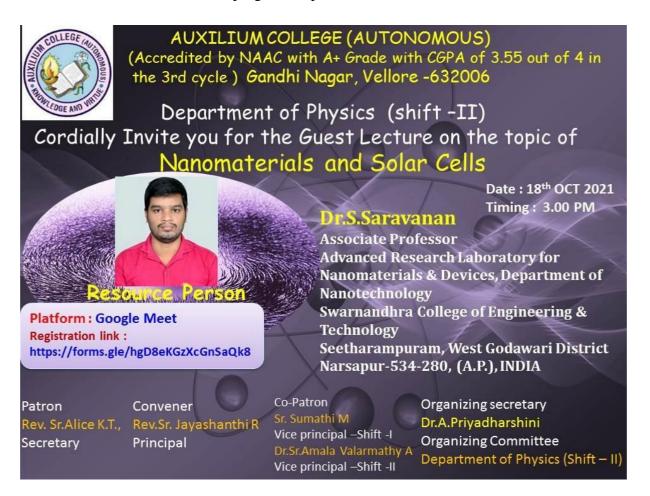
Event : Guest Lecture

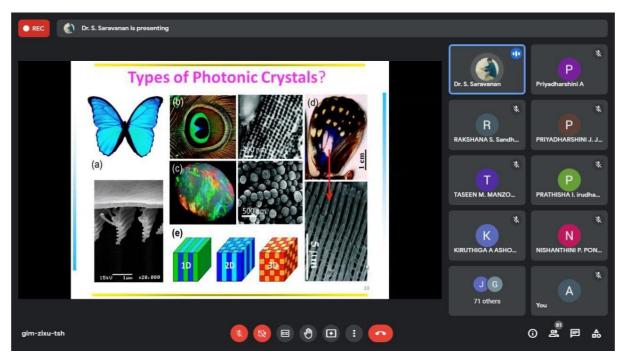
Topic : Nanomaterial and Solar Cells

Brief report :

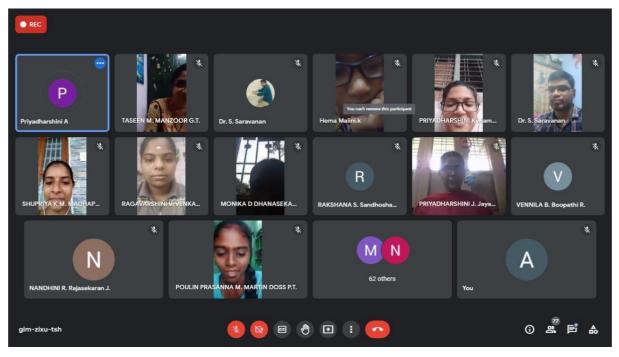
The Guest lecture was started at 3.00 PM on 18th October 2021. UG physics students and staff members were attended the guest lecture through Google meet. At the very beginning, the organizing secretary Dr. A Priyadharshini addressed the gathering. The programme starts with prayer service which was done by Ms. S. Jeffi Jas. Then, Department secretary Ms. J Priyadharshini has introduced resource person, Dr.S.Saravanan, Associate Professor, Advanced Research Laboratory for Nanomaterials & Devices, Department of Nanotechnology, Swarnandhra College of Engineering & Technology, Seetharampuram,, West Godawari District, Narsapur. Then the guest lecture started on the topic "Nanomaterial and Solar Cells". The detail lecture was delivered by the resource person. At the end of the session the resource person interacted with the students. The programme was ended with vote of thanks given by Ms.M.Taseen, assistant department secretary.

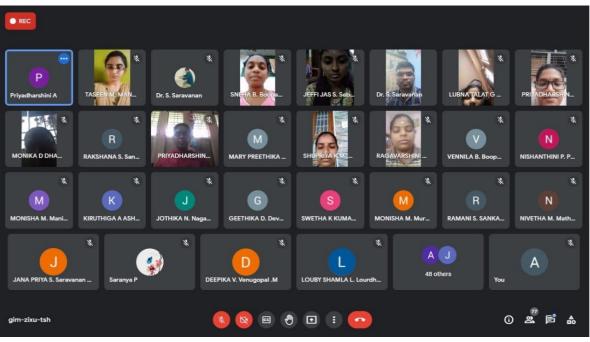
Invitation and the programme photos were attached below.











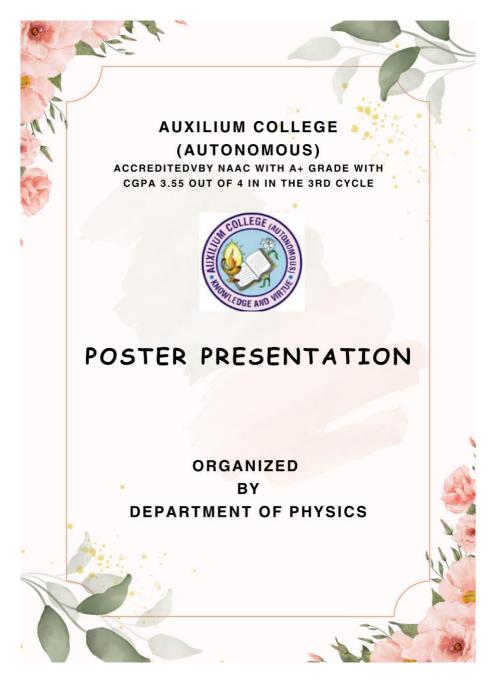
ASSOCIATION ACTIVITY NOVEMBER 2021-22

Date : 26.11.2021

Event : Poster Presentation

Topic : General Physics

Place : Seminar Hall



Brief report : In the motive of enhancing the young minds with creative ideas, Poster Presentation competition was organized. Students participated and exhibited their innovative skills.

RESULT:

1st Place: Akila.A.P – III B.Sc Physics

2nd Place: Priyadharshini.K – II B.Sc Physics





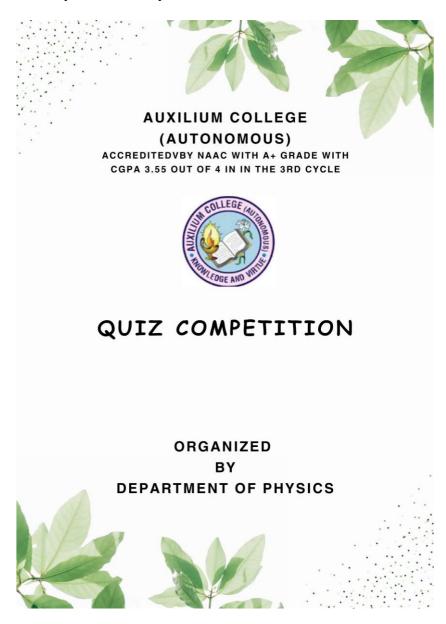


ASSOCIATION ACTIVITY DECEMBER 2021-22

Date : 22.12.2021

Event : Quiz Competition

Place : Physics laboratory



The association activity for the month of December is the quiz competition. The competition was conducted on 22/12/2021 at 11.00 a.m. in Physics laboratory. Five students from each year were separated into five groups and the competition was conducted. It consists of four rounds. Three teams were qualified by leading the scoreboard in the first three rounds. Sharmila, Sindhubharathi and Vithya from first, second and third year respectively have won the competition. A tie breaker was conducted for finalizing the runners. Hemamalini, Priyadharshini and Monisha have won the one on one tie breaker and they became the first runner ups. Kowsalya, Ragavarshini and Sneha are the second runners up.





ASSOCIATION ACTIVITY MARCH 2021-22

Date : 25.03.2022

Event : Invited Talk

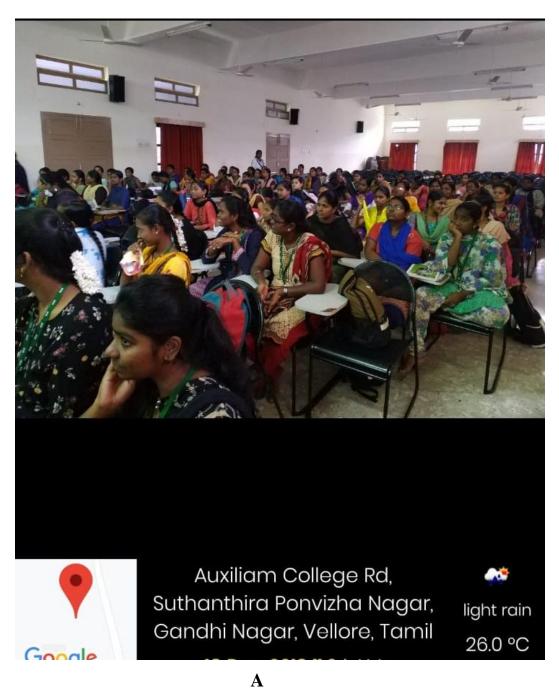
Topic : Extirpating Cancer Cells By The Combinaton of Photodynamic

Therapy and Nanomagnetic Hyperthermia

Place : Seminar Hall

Brief report : The Department of Physics have organized a Guest Lecture by Dr. N. Arunai Nambi Raj, Dean and Head of School of Advanced Sciences, VIT. He has delivered a guest lecture on the topic, "EXTIRPATING CANCER CELLS BY THE COMBINATON OF PHOTODYNAMIC THERAPY AND NANOMAGNETIC HYPERTHERMIA". This Event has happened on 25/03/2022 at Computer Block Seminar hall from 11.00 a.m. To 12.00p.m.





PRINCIPAL
AUXILIUM CELEGE (Autenamous)
Gandhi Magar, Vellore - 632 006.
Vellore District, Tamil Nadu.

Association Activity Report (2022 – 2023) August – 2022 Association Inauguration



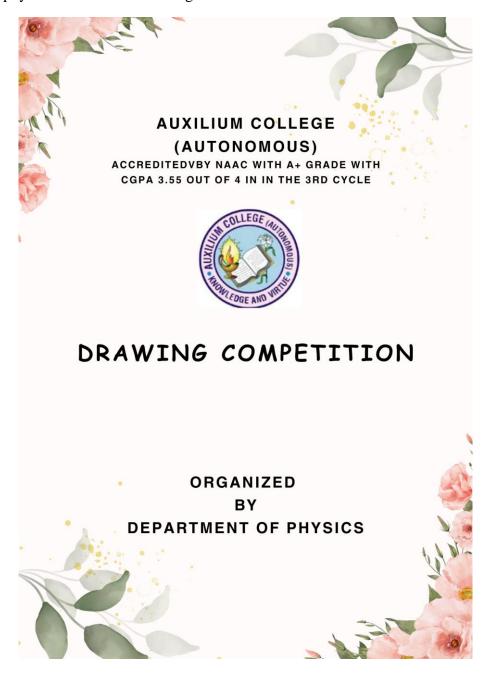
The physics association Inauguration for the academic year 2022 – 2023 was conducted on 17th August, 2022 at computer block seminar hall. Rev. Dr. G. Theophil Anand, Assistant professor, PG and research department of physics, Sacred Arts College, Tiruppattur was invited as chief guest. He delivered a talk on "75 years of India's scientific development and future technologies" of various organisations such as ISRO, DRDO, white revolution link, etc. He also explained about fundamental concept of physics that was behind in nature. He gave outline about Gravitational waves, Artificial intelligence, chat bot, CT scan etc., both UG and PG students actively participated in the event and enriched their knowledge. Finally the students put forth their queries to the speaker.



September 2022-23

Drawing Competition

Association activity for the month of September was conducted in the seminar hall computer block. Drawing competition on "Physics humour "was the topic given Sr. Vency Head department of physics shift I was the chief guest.



Prize winners:

First Prize: K.M. Shupriya (III Year)

Second Prize: A.P. Amritha (II Year)

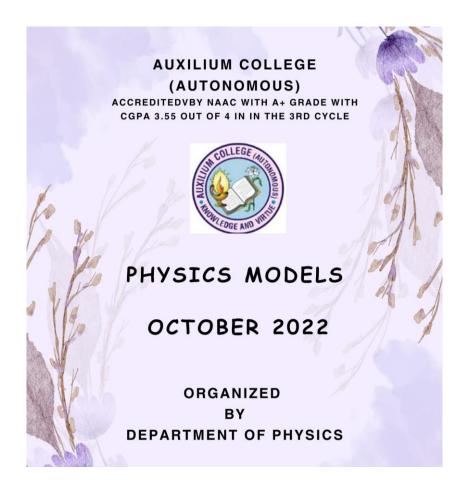
Third Prize: M.D.Poulin Prasanna (III Year)



OCTOBER 2022-23

PHYSICS MODELS

Association activity for the month of October was conducted in the Physics lab.Physics Models on "Basic Principles" was the topic given. Dr. Sarjila Assistant Professor P.G.Department of Physics. Shift I was the chief guest.



Prize winners

First Prize: M. Taseen (III Year)

Second Prize: D. Kowsalya (II Year)

Third Prize: D. Monika (III Year)



JANUARY 2022-23

STUDENTS INDUSTRIAL VISIT VISHWESHWARAIAH MUSEUM – BANGALORE

Forty one students of B.Sc physics III Year took part in the Vishweshwaraiah Museum Bangalore. The museum displays industrial products scientific models and engines. The students saw the exhibition halls on engines, electricity fun science, space biotechnology, electronics and animated dinosaurs, life size model of wright brother's flyer and interesting shows like science on a sphere, taramandal, 3D Film show and science show etc. The learned more interesting scientific facts. Students were accompanied by the staff member's Sr.Vency Head of the department and Dr.S. Deepapriya Assistant Professor. The list of the students came for industrial visit.

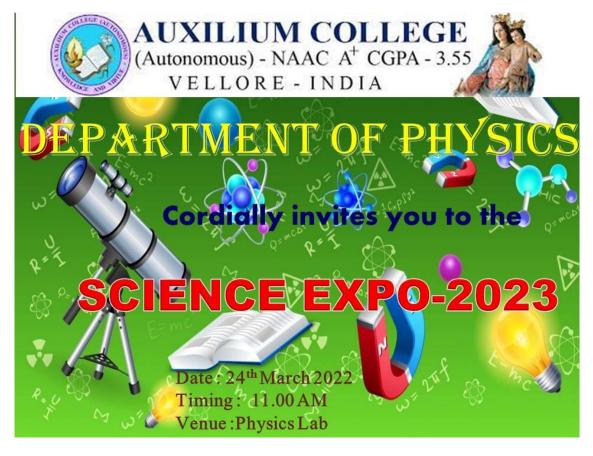


MARCH

2022-2023

SCIENCE EXPO

On 7th March 2023, Science exhibition was organized by UG department of physics in order to give awareness to students about "General Physics" students from other departments were invited for the exhibition. The program started with a prayer song and was inaugurated with ribbon cutting by Mr.V. ChandraMohan, senior secondary teacher Ida scudder school Vellore and Sr. Vency, Head of the Department, Auxilium college. Many models were presented by UG students Focussed on the concept of General physics in the field of Electricity, sensors, conservation of energy etc. I, II, III UG students actively participated in this event. More than 100 students visited the exhibition and enriched their knowledge. Prizes were announced for the best models. The event successfully ended with a photo session. The following are the prize winners.



First prize (Sensor Tap)

Viyanjana. S, Nithya shree. E (I Year)

Second prize (Vande graff generator)

Lubna talat. G, Taseen. M, Jeevitha. A (III Year)

Third prize (Peltier refrigerator module)

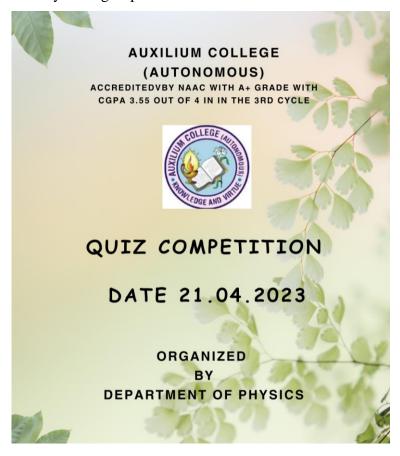
Niraimathi. M, Sneha. S (II Year)



April 2022-23

QUIZ COMPETITION

Quiz competition was held on 21.4.2023 for the students of physics department in the seminar hall. The quiz consisted of three round. The students are divided into nine teams covering physics formula, problems, basic concepts for electricity, magnetism, light and atomic physics. It had a rapid fire round made it more exciting for the participants and audience both. All the participants were well prepared. The competition was very tough but in the most exciting and thrilling battle was won by three groups.



First prize

K.M. Shupriya (III year), M. Niraimathi (II year), R. Manjupriya (I year) Second prize

S. Sneha (II year), S.Komathi (I year)

Third prize

P. Naveena sri (III year), S.P.Sangamitha (II year), N. Nisha Nandhini (I year)



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