

DEPARTMENT OF PG PHYSICS

Annual Report 2023-2024

- ❖ The college reopened for the academic year 2023 on June 7th 2023 for II, and IV Semester.
- ❖ The academic year for I M.Sc Physics began on 10th October 2023.

➤ Student strength for the academic year 2023-2024:

<i>S.NO</i>	<i>Class</i>	<i>STRENGTH</i>
<i>01</i>	II M.Sc. Physics	<i>04</i>
<i>02</i>	I M.Sc Physics	<i>06</i>
	<i>Total</i>	<i>10</i>

➤ Results of I, II, III, IV Semesters of 2023:

S.No	Class	Pass Percentage
01	I M.Sc. Physics I Semester	100
02	I M.sc Physics II Semester	100
03	II M.Sc Physics III Semester	100
04	II M.Sc Physics IV Semester	100

➤ Activities of the Department:

I. Activities of SPACE club :

On 05th August 2023 the “SPACE CLUB” activity was conducted.

- Miss A.Rehsma Aman, Sr.Kamala Ransom, Miss P.Manaswini presented a paper on “Chandrayan 3”.

- Miss T.Jaya sruthi and Miss P.Sujatha presented a paper on “Renewable Energy Sources”.

Dr.A.NirmalaJyothsna HOD, Department of Physics & Electronics shared about her experience of being a Physics faculty and about her contemporaries and her students who are well settled because of their outstanding performance in the field of Physics. She concluded her speech with the words of appreciation for the initiative taken by the students and imparted her blessings and wished them for their bright future. Mrs. Deepthi Bhargava faculty of PG Physics motivated and congratulated the students.

On 15th September, 2023 the “SPACE CLUB” activity was held:

- Miss.P.Manaswini of II M.sc Physics presented the ppt on the topic, “Falcon 9 Reusable Rocket”.
- Miss.S.Suneetha and Miss.T.Pushpa Lakshmi and M.Deeptika of I M.Sc Physics presented a ppt on the theme, “Aditya L1”.
- Miss.P. Manaswini of II M.sc and Miss.T.Sruthi of I M.Sc conducted a fun based riddles.

On December 22, 2023, the Space Club for the academic year 2023-2024 was inaugurated.

- Miss Jaya Sruthi of 2nd M.Sc Physics presented the minutes of the valedictory.
- Miss Pushpa and Miss Suneetha, both from 2nd M.Sc Physics, delivered an impactful presentation on the topic "X-Ray Polarimeter Satellite."
- Miss Sahanavi of 1st M.Sc Physics presented a poster on the "Basis of Physics."

On January 29, 2024, the second meeting of the Space Club took place

- Miss Deepika and Miss Suneetha of 2nd M.Sc Physics delivered a presentation on the topic "Sources of Energy." They elaborated on

various conservation energy sources, highlighting their advantages and disadvantages.

- Miss Jaya Sruthi and Miss Sujatha of 2nd M.Sc Physics presented a PowerPoint presentation on "Renewable Energy Integrated Power Sector."
- After the engaging presentations, Miss Pushpalakshmi conducted a session of fun and clever riddles.

On March 23rd, 2024 SPACE club was held.

I M.Sc chemistry students and their faculty members were also invited. On the eve of World Meteorological Day, students presented PPTs on Meteorology.

- M. Deepika and T. Pushpalakshmi of II M.Sc physics delivered a presentation on the topic of "Meteorology," elaborating on various themes and highlighting preventive measures to protect our planet.
- Following this, K. Akhila and M. Durga Bhavani of I M.Sc physics presented PPTs on "Climatology."
- T. Pushpalakshmi of II M.Sc physics conducted a quiz
- K. Bhavana Ishwarya of I M.Sc physics led a session of fun and clever riddles, engaging the participating students. Dr. Nagalakshmi delivered a wonderful motivational speech, and Dr. A. Nirmala Jyoshna, HOD, congratulated all the students who presented PPTs. Offering valuable feedback, she encouraged them to undertake more activities focusing on recent trends and motivated all SPACE Club members to actively participate.

II. Workshop attended:

On 23rd & 24th June 2023 a workshop was held on "Embedded System and Designing Concepts". All the I M.Sc students were attended the workshop.

On 13rd& 14th June 2023 a workshop was held on “PCB designing and manufacturing”. All the I M.Sc students were attended the workshop.

III. Participation in International Conference

On 13th and 14th, October 2023 II M.Sc Physics students attended two days International Conference “**Applied Sciences – Advances & Applications 2023**” that was being organized by Ch.s.D.St.Theresa’s College for Women (A), Eluru in collaboration with IMRF Institute of Higher Education & Research, India. We also got the chance to publish the paper on the title, “Synthesis and Characterization of undoped rare earth metal ions doped $\text{CdOZn}_3(\text{Po}_4)_2$ and A.Reshma Aman presented the paper during Conference. Students received certificates.

IV. Internship Program

- Department of Physics and Electronics organized two months job oriented on line internship program from 15th May to 14th July 2023 conducted by , “Micro link Information Technologies”, Vijayawada. All the I year M.sc Physics students participated in it actively, Mrs. Deepti Bhargava joined them for the programme. Students received the certificates.

V. Project Work

- As part of curriculum in the II M.sc Physics IV Semester students successfully completed their project from 17.07.2023 to 20.07.2023 in collaboration with Acharya Nagarjuna University by taking **Memorandum of understanding (MOU)** between the two Institutions (Acharya Nagarjuna University and Ch.S.D.St.Theresa’s College for Women(A), Eluru), which aimed to foster academic exchange and research cooperation.

With deep appreciation and a sense of gratitude, we acknowledge the divine providence that has showered us with abundant grace and blessings throughout the previous semester. Our heartfelt thanks go out to Dr. Sr. Mercy, the Principal, and Sr. Suseela, the PG Directress, and Controller of the Examination, for their unwavering support, invaluable guidance, and constant encouragement, which significantly contributed to the successful culmination of every event during this academic term.

We wish to convey our sincere gratitude to Dr. Mrs. A. Nirmala Jyothsna, the Head of the Department of Physics & Electronics, for her consistent support and guidance over the course of the year. Her commitment has been a guiding force in shaping our academic endeavours, and we are appreciative of her continual motivation.