

DEPARTMENT OF PG PHYSICS

Annual Report 2022-2023

The college reopened for the academic year 2022 on July 7th 2022 for II Semester for I year students.

➤ **Student strength for the academic year 2021 - 2022:**

<i>S.NO</i>	<i>Class</i>	<i>STRENGTH</i>
<i>01</i>	I M.Sc. Physics	<i>04</i>
<i>03</i>	II M.Sc Physics	<i>07</i>
	<i>Total</i>	<i>11</i>

➤ **Results of I, IV Semesters of 2022:**

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

ACTIVITIES OF THE DEPARTMENT

I. Activities of SPACE club :

On 29th September, 2022 the “SPACE CLUB” activity was inaugurated.

- Miss.Rehsmā, Sr.Kamala Ransom, Miss. Manaswini and Miss. Naga Mani presented a paper on “The Scope and Opportunities after M.Sc Physics”.

Dr.A.NirmalaJyothsna HOD, Departement of Physics & Electronics shared about her experience of being a Physics faculty and about her conterperors 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 16th February, 2023 the “SPACE CLUB” activity was held:

- Miss.Reshma Aman, Sr.Kamala Ransom and Miss.P.Manaswini of II M.sc Physics presented the ppt on the topic, “Satellite Communication”.
- Miss.S.Suneetha and Miss.T.Pushpa of I M.Sc Physics presented a ppt on the theme, “ Electronic Devices”.
- Miss.P. Manaswini of II M.sc and Miss.T.Sruthi of I M.Sc conducted a fun based riddles.

On 14th March, 2023 the department of PG Physics celebrated Pi day in commemoration of the Mathematical sign π .

- Miss.Reshma Aman, of II M.Sc Physics, Miss.Deepika and Miss.Suneetha of I M.sc physics presented the ppt on Pi day.

II. Independence Day Celebrations:

Dr. A.Nirmala Jyothsna Head of the Department of Physics and Electronics was a Chief guest on Independence day and hoisted the flag .

On the same day, as a part of Azadi Ka Amrit Mohotsav, the students of I M.Sc Physics joined with other department to depict the “**Boycott of British goods**”.

III. On-line courses:

All the First MSc physics students completed the following on-line courses

1. Certificate courses
2. SWYAM courses
3. Diploma Courses
4. IIRS

IV. Guest Lecture:

A guest lecture was organized by department of Physics and electronics on “Rocket Science” on 2nd September, 2022. The resource person was Yalla Siva Prasad former Scientist of ISRO (Retired). It was very informative and provided the participants enormous knowledge on the aspect of ISRO and the process of launching of Satellite, also he explained in his lecture regarding the purpose of launching “Chandrayaan-II”.

V. Orientation Programme:

PG Physics department was in charge of Orientation program for PG Ist year students which was conducted on 10th January 2023.

VI. Leadership camp:

A. Reshma Aman the representative of I MSc Physics attended the leadership training campaign, sponsored by MRPAI Foundation and forum of free enterprises, Mumbai which was on 24th and 25th of August, 2022.

VI. Graduation day:

33rd graduation day was celebrated and the outgoing students of PG physics on 15th October, 2022 and received the degree award. M. Sirisha received first proficiency award.

VII. Workshop attended:

i) The staff from the department PG physics attended the workshop on “Modern Tools in evaluation and Assessment” which was organized by TTIPS and Department of English on 21st October, 2022

ii) Faculty Development program was organized by T-Tips committee from 5th to 7th December 2022 for the staff who come under 10 years of experience and the PG staff members attended in it

VII. Industrial Field trip

The students of I M.Sc Physics went for an Industrial trip to “**Vijayawada Thermal Power Plant**” as a part of Curriculum which was organized by department of physics and electronics on 29th October, 2022.

VIII. Participation in National Conference

✓ It was an awesome experience for the department of PG Physics as the II year Physics students along with their faculty Mrs. Deepthi Bhrgava set out for the two days national Conference that was being organized by the Department of Physics, Acharya Nagarjuna University, Guntur on the topic, “Advanced Functional Device Materials (NCAFDM 2023) on 27-28th February 2023.

The students also got an opportunity to present the papers on the topic, “Nano Generators”.

✓ I M.Sc Physics along with the faculty Mrs. Shahila Nishath attended the National Conference which is organized by The department of Physics Andhra Loyola College on, “Recent trends in Smart materials and Applications (NCRTSMA -2023)

IX. Patent

Mrs. Deepti Bhargava faculty of department of PG Physics filed patent on the title, **“CUSTOMISABLE INSTANT NON-ELECTRIC WINDING, ALL PURPOSE WEARABLE NOTIFIER BAND”** on 17 October 2022.

We lift our hearts in thanksgiving to God the Almighty for His abounding blessings throughout the last semester. We are thankful to Dr. Sr. Mercy, Principal & Sr. Suseela, PG Directress and Controller of the examination for their constant assistance and guidance for the smooth conduct of the events during this semester.

We are indebted to thank Dr. Mrs. A. Nirmala Jyothsna, H.O.D of Physics & Electronics for her affectionate guidance, support and encouragement throughout the year.