

Department of PG Physics

Annual Report 2021-2022

- On June 1, 2021, online classes were conducted for I M.Sc Physics II semester students.
- On October 4, 2021, the academic year commenced for II M.Sc Physics students
- On February 2, 2022 the academic year began 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 III, IV Semesters of 2022:**

<i>S.No</i>	<i>Class</i>	<i>Pass Percentage</i>
<i>01</i>	I M.Sc. Physics III Semester	<i>100</i>

➤ **Activities of the Department:**

I. Activities of SPACE club :

- Under the Space Club, an awareness program was organized on October 23, 2021. Students of II M.Sc Physics actively participated in the event, delivering seminars on the following topics:
 1. Neutron Star
 2. Physics in Daily Life
- On February 28, 2022, the celebration of National Science Day brought together students from the Postgraduate Physics and Chemistry programs.

- On 14th March, 2022 the department of PG Physics celebrated Pi day in commemoration of the Mathematical sign π .
The second-year students took the initiative to explain the significance of the day through a PPT presentation.
- On 23rd April, 2022 “World Book day” was celebrated by the department of PG physics. Students highlighted the importance of the day through the PPT presentation.

II. On-line courses:

- All the second MSc physics students completed the following online courses
 1. Certificate courses
 2. SWYAM courses
 3. Diploma courses

They also attended different webinars and online workshops.

- All the II M.Sc physics students attended
 1. An e- lecture on atomic absorption spectroscopy and its applications.
 2. An awareness programme on green energy startups.
 3. One-week next national E awareness cum training programme on intellectual property rights.

They also took active part in reading the talk the book programme by APSCHE.

- On June 19, 2021, all students participated in a webinar focusing on online teaching, counseling, and psychological support for COVID-19 victims.
- On September 8, 2021, both students and staff actively participated in a workshop on Atomic Absorption Spectroscopy organized by GSIII Hyderabad.

III. Guest Lecture:

On December 21, 2021, a guest lecture was organized for all P.G Physics and Chemistry students. Mr. B. Sasibhushan, Assistant Professor at Sri Vasavi Engineering College, Tadepalligudem, delivered a lecture on the topic of Superconductivity.

IV. Orientation Programme:

On February 14, 2022, the college commenced for all first-year students, accompanied by an orientation program. From February 15 to February 19, 2022, communication skill classes were conducted for all first-year students for a week.

VII. Online Workshop attended:

- i)** On June 28, 2021, the Department of Physics and Electronics organized an awareness program on green energy startups. The event was attended by both students and staff members.
- ii)** On October 9, 2021, all students and staff participated in an IIC Impact Lecture focused on "Ideation to Commercialization: Converting Problems into Business Opportunities." The lecture was organized by the members of IIC.
- iii)** On October 23, 2021, a one-day workshop on Switching Mode Power Supply (SMPS) in LED bulb manufacturing concluded on October 28, 2022. During this workshop, all second-year M.Sc. Physics students gained comprehensive insights into the theoretical and practical aspects of the role of SMPS in LED bulb manufacturing. The session proved to be highly productive, with each student successfully independently manufacturing his or her own bulbs.
- iv)** Faculty Development program was organized from 1st to 5th February 2022 for the staff on the topic, "Impact of COVID-19 on women".
- v)** On 13rd & 14th April 2022 a workshop was held on "PCB designing and manufacturing" by Mr. Govind Rao and his team, Microlink, Vijayawada. All the I & II M.Sc students attended it.

VII. Participation in Online International Conference

- On February 25, 2022, P.G Physics staff, B. Deepti, and students attended an online international webinar titled "Insights on Materials and Space Science

VIII. Awards:

- On February 21, 2022, in celebration of the Feast of Mother Enrichetta, the II-year students were presented with the first and second proficiency awards. M. Sirisha and K. Dharani received the respective awards.

IX. Campus Drive:

- On March 3, 2022, a placement drive was organized by Sri Chaithanya Techno School, and all P.G. Physics students participated, securing successful selections.

X. BOS Meeting

On June 17, 2022, an online BOS (Board of Supervisors) meeting was conducted.

With heartfelt gratitude, we extend our sincere thanks to the Almighty for the abundance of blessings bestowed upon us during the past semester. Our appreciation knows no bounds as we acknowledge the unwavering support and guidance provided by Dr. Sr. Mercy, our esteemed Principal, and Sr. Suseela, the PG Directress and Controller of Examinations. Their consistent assistance has played a pivotal role in ensuring the seamless execution of events throughout this semester.

Our deep sense of gratitude also extends to Dr. Mrs. A. Nirmala Jyothsna, the Head of the Department of Physics & Electronics. Her affectionate

guidance, unwavering support, and continuous encouragement have been invaluable throughout the entire year. We are truly indebted for her dedication and leadership, which have significantly contributed to our academic journey.

As we reflect on the past semester, we are filled with appreciation for the collective efforts of these individuals, whose contributions have enriched our educational experience and propelled us forward.