

## **1. REPORT ON ENVIRONMENT PROMOTIONAL ACTIVITIES CONDUCTED BEYOND THE CAMPUS WITH GEO TAGGED PHOTOGRAPHS WITH DATE AND CAPTIONS.**

### **Introducing solar cooker to the surrounding school children**

Date: February 28, 2022

Venue: Department of Physics, SAS GDC.

Invitees: MP Elimentary School students, Narayanapuram

Organized by: Department of Physics and Chemistry

Organizer: B. Venkateswara Reddy, Lecturer in Physics

Introduction:

On February 28, 2022, Monday, the Department of Physics and Chemistry organized a captivating event to introduce solar cookers to the enthusiastic school children from our village. The event aimed to educate the young minds about the potential of solar energy and its applications in everyday life, particularly in cooking.

#### **Objectives:**

**Education:** To educate school children about the concept of renewable energy, particularly solar energy, and its applications in everyday life.

**Awareness:** To raise awareness among the students about the importance of sustainable practices and environmental conservation.

**Demonstration:** To demonstrate the practical application of solar energy through the use of solar cookers, highlighting their efficiency and benefits.

**Hands-on Experience:** To provide the children with a hands-on experience of solar cooking, allowing them to actively engage with the technology and understand its functionality.

**Inspiration:** To inspire curiosity and interest in science and technology, particularly in the field of renewable energy, among the young minds of the village.

**Empowerment:** To empower the students with knowledge and skills that they can apply in their daily lives, promoting self-sufficiency and independence.

#### **Outcomes:**

**Increased Knowledge:** The students gained a better understanding of renewable energy sources, particularly solar energy, and their role in addressing environmental challenges.

**Awareness:** The event helped raise awareness among the students about the importance of adopting sustainable practices and reducing reliance on fossil fuels.

**Practical Skills:** The hands-on experience of solar cooking equipped the students with practical skills that they can apply in their households, promoting self-sufficiency and resourcefulness.

**Curiosity and Interest:** The interactive nature of the event sparked curiosity and interest among the students in science and technology, motivating them to explore further in the field.

**Environmental Consciousness:** The event instilled a sense of environmental consciousness and responsibility among the students, encouraging them to make informed choices that benefit the planet.

**Community Engagement:** The event fostered community engagement and collaboration, bringing together students, teachers, and members of the Department of Physics and Chemistry in a shared effort to promote sustainable living.

Overall, the event successfully achieved its objectives of educating, inspiring, and empowering the school children to embrace renewable energy and sustainable practices for a brighter future.

#### Event Details:

The event commenced at [start time] with an insightful introduction by Mr. B. Venkateswara Reddy, a dedicated lecturer in Physics. Mr. Reddy elaborated on the significance of renewable energy sources, focusing on solar power, and its immense potential to mitigate environmental issues while promoting sustainable living.

#### Demonstration:

Following the introduction, a practical demonstration of solar cookers was conducted. The children were fascinated as they witnessed the simple yet ingenious mechanism of harnessing sunlight to cook food. Mr. Reddy and his team showcased different types of solar cookers, explaining their designs and functionalities. They emphasized the efficiency and eco-friendliness of solar cooking, highlighting its benefits for both the environment and personal health.

#### Hands-on Experience:

After the demonstration, the children were given the opportunity to experience solar cooking firsthand. Under the guidance of Mr. Reddy and his team, they prepared simple dishes using the solar cookers. Excitement filled the air as the children eagerly participated, learning how to position the cookers to capture maximum sunlight and adjusting cooking times based on solar intensity.

#### Interactive Session:

To encourage active participation and foster a deeper understanding, an interactive session was held where the children could ask questions and share their thoughts. Mr. Reddy patiently addressed their queries, clarifying doubts and providing additional insights into solar energy and its applications.

#### Conclusion:

The solar cooker introduction event was a resounding success, thanks to the enthusiastic participation of the school children and the dedicated efforts of Mr. B. Venkateswara Reddy and his team. The event not only raised awareness about renewable energy but also instilled a sense of environmental responsibility and innovation among the young minds of our village.

It is hoped that such initiatives will inspire future generations to embrace sustainable practices for a brighter and greener future.

Acknowledgment:

We extend our heartfelt gratitude to Mr. B. Venkateswara Reddy and the entire Department of Physics and Chemistry for organizing this enlightening event. Special thanks to the school children for their active involvement and enthusiasm.



Solar cooker demonstration



Enthusiastic student participants

### Introducing Liquid Nitrogen as an agent to manage garbage

Date: February 28, 2022

Venue: SAS Government Degree College

Participants: Students of MP Elimentary school, Narayanapuram and other public

Organized by: Department of Chemistry

In charge: G. Hepzibah, Lecturer in Chemistry

Introduction:

On February 28, 2022, the Department of Chemistry organized an enlightening event aimed at introducing liquid nitrogen as a novel solution for garbage management. Under the guidance of Ms. G. Hepzibah, Lecturer in Chemistry, the event sought to educate the public and school children about the potential of liquid nitrogen in revolutionizing waste management practices.

Objectives:

Introduction: To introduce liquid nitrogen as an effective agent for managing garbage to the public and school children.

Education: To educate the audience about the properties of liquid nitrogen and its potential applications in waste management.

**Awareness:** To raise awareness about innovative solutions for garbage management and the importance of sustainable practices.

**Demonstration:** To demonstrate practical applications of liquid nitrogen in managing different types of waste materials.

**Engagement:** To engage the audience, particularly students, through interactive demonstrations and discussions.

**Inspiration:** To inspire curiosity and interest in science and chemistry, motivating students to explore innovative solutions to environmental challenges.

#### Event Overview:

The event began with a compelling introduction by Ms. Hepzibah, who emphasized the pressing need for sustainable waste management solutions in our communities. Drawing attention to the environmental challenges posed by improper waste disposal, she introduced liquid nitrogen as an innovative agent with the potential to address these issues effectively.

#### Demonstrations:

Attendees were enthralled by captivating demonstrations that showcased the versatility of liquid nitrogen in managing various types of waste materials. From organic waste to plastics, the audience witnessed firsthand how liquid nitrogen could freeze and transform waste into manageable forms, reducing its volume and environmental impact.

#### Interactive Session:

An interactive session followed the demonstrations, providing attendees, particularly students, with the opportunity to engage with the topic and deepen their understanding. Ms. Hepzibah and her team fielded questions with enthusiasm, elucidating the science behind liquid nitrogen and its applications in waste management. The session fostered curiosity and inspired attendees to explore innovative solutions to environmental challenges.

#### Outcomes:

The event achieved its objectives of raising awareness, educating the audience, and inspiring interest in sustainable waste management practices. Attendees gained valuable insights into the potential of liquid nitrogen as a garbage management agent, with many expressing enthusiasm for further exploration of the topic. The event sparked meaningful conversations and collaborations, laying the groundwork for future initiatives aimed at promoting environmental stewardship.

#### Conclusion:

In conclusion, the introduction of liquid nitrogen for garbage management event was a resounding success, thanks to the dedication and expertise of Ms. G. Hepzibah and her team. The event served as a catalyst for positive change, empowering attendees with knowledge and inspiration to embrace sustainable practices and explore innovative solutions for a cleaner, healthier environment.





Demonstration of Liquid Nitrogen for garbage management

## Swachh Bharath campaign from college to the village

Date: March 5, 2022

Organized by: NSS Wing

In charge: G. Nirmala Jyothi, Lecturer in Economics

Introduction:

On March 5, 2022, the NSS Wing of our college organized a commendable Swachh Bharat Campaign, extending from the college premises to the neighboring village. Under the guidance of Ms. G. Nirmala Jyothi, Lecturer in Economics, 40 enthusiastic NSS volunteers participated in this noble initiative aimed at promoting cleanliness and hygiene in our community.

Objectives:

**Awareness:** To raise awareness about the importance of cleanliness and sanitation in fostering a healthy and hygienic environment.

**Community Engagement:** To actively involve the college students and the local community in the Swachh Bharat Campaign, fostering a sense of ownership and responsibility towards cleanliness.

**Behavioral Change:** To encourage behavioral change by promoting the adoption of clean and hygienic practices in both the college and the village.

**Inspiration:** To inspire individuals to become ambassadors of cleanliness and actively contribute to the Swachh Bharat Mission.

**Collaboration:** To foster collaboration between the college and the village community in addressing sanitation issues and working towards a cleaner environment.

Event Details:

The Swachh Bharat Campaign kicked off at the college premises, where the NSS volunteers gathered with zeal and determination to embark on the cleanliness drive. Equipped with cleaning supplies and a spirit of service, the volunteers set out on foot towards the neighboring village, ready to make a difference.

Cleanliness Drive:

Upon reaching the village, the NSS volunteers divided into groups and began the cleanliness drive in various areas, including streets, public spaces, and water bodies. Armed with brooms, dustbins, and gloves, they diligently collected litter, swept streets, and disposed of waste properly, leaving behind a trail of cleanliness and positivity.

Awareness Activities:

In addition to the cleanliness drive, the NSS volunteers conducted awareness activities, including street plays, interactive sessions, and poster exhibitions, to educate the villagers about the importance of cleanliness and sanitation. Through these engaging activities, they



conveyed messages about proper waste disposal, personal hygiene, and the Swachh Bharat Mission.

Outcomes:

**Community Participation:** The Swachh Bharat Campaign witnessed active participation from both college students and villagers, fostering a sense of unity and collective responsibility towards cleanliness.

**Cleaner Environment:** The concerted efforts of the NSS volunteers resulted in a noticeable improvement in the cleanliness of the village, with streets and public spaces being cleared of litter and waste.

**Awareness Generation:** The awareness activities conducted during the campaign successfully educated the villagers about the significance of cleanliness and hygiene, inspiring them to adopt cleaner practices.

**Behavioral Change:** The campaign contributed to positive behavioral change among the participants, motivating them to maintain cleanliness not only during the event but also in their daily lives.

Conclusion:

In conclusion, the Swachh Bharat Campaign from college to the village was a resounding success, thanks to the dedicated efforts of Ms. G. Nirmala Jyothi and the NSS volunteers. The event served as a testament to the power of collective action in achieving cleanliness and hygiene goals and underscored the importance of community engagement in realizing the vision of a Swachh Bharat.



Plantation in the village by NSS volunteers





Students in action

### **Fencing the plants 15-8-2019 on the occasion of 150 birth anniversary of Mahatma**

Date: August 15, 2019

Occasion: 150th Birth Anniversary of Mahatma Gandhi

Organized by: NSS Unit

Conducted by: Y. Radha Krishna, Lecturer in Commerce

Introduction:

On August 15, 2019, in commemoration of the 150th Birth Anniversary of Mahatma Gandhi, the NSS Unit organized a meaningful event aimed at fostering environmental conservation and promoting Gandhian values. Under the guidance of Mr. Y. Radha Krishna, Lecturer in Commerce, the NSS volunteers came together to fence the plants in the village, symbolizing our commitment to protecting and nurturing nature, in alignment with Mahatma Gandhi's principles.

Objectives:

**Environmental Protection:** To protect the plants in the village from damage caused by animals or human activities through the installation of fences.

**Community Engagement:** To actively involve the NSS volunteers and the local community in a hands-on activity that promotes environmental awareness and responsibility.

**Gandhian Values:** To commemorate the 150th Birth Anniversary of Mahatma Gandhi by promoting his ideals of simplicity, sustainability, and respect for nature.

**Long-term Impact:** To create a lasting impact by establishing a culture of environmental stewardship and care for the natural world among villagers.

#### Event Details:

The event commenced with a brief introduction by Mr. Y. Radha Krishna, highlighting the significance of the occasion and the importance of preserving nature. Emphasizing the relevance of Mahatma Gandhi's teachings in today's world, he encouraged the NSS volunteers to channel their efforts towards promoting environmental sustainability.

#### Plant Fencing:

Equipped with necessary tools and materials, the NSS volunteers divided into teams and set out to fence the plants in the village. Working diligently, they installed protective fences around the vulnerable plants, shielding them from potential threats and ensuring their continued growth and well-being.

#### Community Participation:

The event witnessed active participation from both NSS volunteers and members of the local community, fostering a sense of unity and shared responsibility towards environmental conservation. Together, they worked hand in hand to safeguard the plants, embodying the spirit of collective action and community engagement.

#### Outcomes:

**Protection of Plants:** The installation of fences around the plants ensured their protection from external threats, including grazing animals and human interference.

**Environmental Awareness:** The event raised awareness about the importance of preserving nature and promoting sustainable practices among the participants and the wider community.

**Promotion of Gandhian Values:** By organizing the event on the occasion of Mahatma Gandhi's 150th Birth Anniversary, the NSS Unit honored his legacy and promoted his values of simplicity, harmony with nature, and community service.

**Community Empowerment:** The event empowered villagers to take ownership of their environment and actively contribute to its conservation, laying the foundation for future initiatives aimed at promoting environmental sustainability.

#### Conclusion:

In conclusion, the Plant Fencing Event organized by the NSS Unit on the occasion of Mahatma Gandhi's 150th Birth Anniversary was a resounding success. Through collective action and community engagement, the event not only protected the plants in the village but also fostered a deeper connection to nature and a commitment to environmental stewardship among all participants.



### World environmental day

Date: June 5, 2022

Organized by: NSS Unit

Conducted by: G. Nirmala Jyothi, Lecturer in Economics and NSS Officer

Introduction:

On June 5, 2022, the NSS Unit organized a series of impactful activities to commemorate World Environment Day. Under the guidance of Ms. G. Nirmala Jyothi, Lecturer in Economics and NSS Officer, the event aimed to raise awareness about environmental conservation and mobilize the community towards sustainable action.

Objectives:

**Awareness:** To raise awareness about pressing environmental issues and the importance of taking proactive measures to protect our planet.

**Action:** To inspire individuals to take tangible steps towards environmental conservation through participation in various activities.

**Community Engagement:** To foster a sense of collective responsibility and encourage active participation from the community in addressing environmental challenges.

**Education:** To educate participants about sustainable practices and the significance of preserving natural resources for future generations.

Event Activities:

**Rally:** The day began with a vibrant rally, where NSS volunteers and members of the community marched through the streets, carrying banners and placards with messages promoting environmental conservation and sustainable living.



**Plantations:** Following the rally, participants engaged in tree plantation activities, contributing to the green cover of the area and promoting biodiversity. Trees were planted in designated areas, with careful attention paid to selecting native species suitable for the local ecosystem.

**Watering the Plants:** After planting the saplings, participants diligently watered the newly planted trees, ensuring their proper growth and survival. This activity emphasized the importance of nurturing and caring for newly planted vegetation.

**Human Chain:** A human chain was formed as a symbolic gesture of solidarity and commitment to environmental protection. Participants joined hands to form a chain encircling the planted trees, symbolizing their pledge to safeguard nature.

**Meeting Programs:** The event concluded with informative meeting programs, where experts delivered talks on various environmental topics, including climate change, biodiversity conservation, and waste management. Participants had the opportunity to engage in discussions and learn practical ways to contribute to environmental sustainability.

**Outcomes:**

**Awareness Generation:** The event successfully raised awareness about environmental issues among participants and the wider community, fostering a greater understanding of the importance of conservation efforts.

**Community Mobilization:** The active participation of NSS volunteers and community members in the event demonstrated a strong commitment to environmental action and encouraged collaboration towards shared goals.

**Sustainable Action:** Through activities such as tree plantations and watering, participants took tangible steps towards environmental conservation, contributing to the greening of the area and promoting biodiversity.

**Education and Empowerment:** The meeting programs provided valuable education and empowerment, equipping participants with knowledge and skills to adopt sustainable practices in their daily lives and become agents of change in their communities.

**Conclusion:**

In conclusion, the World Environment Day 2022 event organized by the NSS Unit, under the leadership of Ms. G. Nirmala Jyothi, was a resounding success. Through a combination of awareness-raising activities, community engagement, and education, the event inspired individuals to take meaningful action towards protecting and preserving our precious environment for generations to come.



Environmental day activities