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#### LIST OF ENVIRONMENTAL PROMOTION ACTIVITIES BEYOND THE CAMPUS

#### 2022-23

S.No.	Date	Name of the Activity	Organized by
1	23-12-2022	Awareness on Organic Farming at Pedapadu	CSE
2	02-12-2022	Awareness on Air Pollution Control at Vatluru	CIVIL
3	08-08-2022	Awareness on Horticulture at Somarappadu	ECE
4	05-06-2022	Awareness on Soil Protection at Pedapadu	Mech

IQAC Coordinator

PRINCIPAL

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# AWARENESS ON ORGANIC FARMING AT PEDAPADU



23-12-2022

Organized by

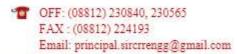
Department of Computer Science and Engineering

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## REPORT ON AWARENESS ON ORGANIC FARMING

Date: December 23, 2022

Location: Pedapadu Village

Organized By: CSE Department

### Objective:

The program aimed to promote organic farming practices among farmers and raise awareness about its benefits on the occasion of National Farmers Day.

#### Interaction Summaries:

Farmer 1: M. Krishna

Profile: Age 36, 4 family members, owns 10 acres of land cultivating paddy.

Practices: Uses organic seeds and products, income of 50,000 yearly.

Feedback: Supports soil fertility through organic matter sources like Azolla pinnata and Sesbania rostrata.

**Conclusion:** Actively engaged in organic practices, supports soil analysis for improved cultivation.

Farmer 2: P. Augustin

Profile: Age 52, 4 family members, owns 3 acres cultivating paddy.

Practices: Utilizes organic methods, income of 15,000 yearly.

Feedback: Seeks government support for organic farming, interested in clusterbased farming.

Conclusion: Open to government initiatives, willing to adopt organic techniques.

Farmer 3: P. Arjun Rao

**Profile:** Age 53, 5 family members, owns 5 acres cultivating paddy.

**Practices:** Similar to previous farmers, income of 25,000 yearly.

Feedback: Prefers government assistance for organic farming, emphasizes soil

analysis.

Conclusion: Supports government schemes, advocates for organic practices.

Recommendations:

- Promote organic farming methods like composting, mulching, and bio-

fertilizers.

- Highlight the benefits of crop rotation and mixed cropping for sustainable

resource utilization.

- Emphasize the advantages of organic farming in terms of yield, profitability,

and environmental sustainability.

Ways to Increase Crop Yield:

- Improve seed quality.

- Implement field productivity zoning.

- Monitor crop growth and weather conditions.

Conclusion:

The Organic Farming Event successfully engaged farmers in discussions about organic practices and government support. Insights from interactions highlighted the willingness of farmers to adopt organic methods with the right support and resources. Moving forward, continued advocacy, education, and collaboration between stakeholders will be crucial for the widespread adoption of organic farming practices for sustainable agriculture.

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## **PHOTOS**









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Principal
Str C.R.R. College of Engineering
ELURU - 534 007



## SIR C R REDDY COLLEGE OF ENGINEERING, ELURU

SCRRCE/Principal's Office/Notices/22-23

### NOTICE

The Institution is excited to announce the upcoming "Awareness on Organic farming" program scheduled to take place on December 23, 2022, at Pedapadu village. This initiative will be spearheaded by the Department of C.S.E. I request the cooperation of all staff and students to ensure the success of this program. Your participation and support are crucial in making this event a grand success.

PRINCIPAL
Principal
Str C.R.R. College of Engineerier
ELURU - 534 007

Date:22/12/2022

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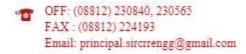
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# Awareness on Air Pollution Control at Vatluru



02-12-2022

Organized by

Department of Civil Engineering

ELURU-534007, Eluru Dist., A.P., INDIA

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## REPORT ON AWARENESS ON AIR POLLUTION CONTROL

Date: December 02. 2022

Location: Vatluru Village

Organized By: CIVIL Department

Objective:

The primary objective of the "Combatting Air Pollution" event is to tackle the pressing issue of air pollution, focusing particularly on its detrimental effects in areas heavily impacted such as urban centers like Metropolis City.

Current Situation: As of the latest census data available, Vatluru village has a population density of [14,368 inhabitants per square kilometer, with approximately 3000 households. However, many villagers still lack access to clean and safe drinking water sources, posing significant challenges to their health and well-being.

## Interaction with Families:

#### Family 1:

Her name is Rama devi ,Age 56. In her family totally 4 male 2 female Members. The family of my survey is healthy and facing some diseases also and one of the members in the family having some health issues and they are taking some health precautions for better health in future. The family ideally serves several functions for society. It socializes children, provides practical and emotional support for its members, regulates and provides its members with a social identity.

#### Conclusion:

Finally we conclude that All open burning poses risks to the environment and public health. Smoke pollutes the air we breathe. Ash pollutes our soil, groundwater, lakes and rivers . Air pollution, including wood-burning smoke, enter the house and contribute to indoor air pollution, especially during the heating season.

#### Family 2:

Her name is M.RATNA VENI of age 39. In her family totally 4 male 2 and female 2 is very healthy. In my survey I had seen, his health condition is normal and his mother was suffering with asthma and she was taking medication. Neither of the four, were infected with covid and they had taken good care and healthy medication during that time.

People react differently to different types of air pollution. Young children and older adults, whose immune systems tend to be weaker, are often more sensitive to pollution. Conditions such as asthma, heart disease, and lung disease can be made worse by exposure to air pollution. The length of exposure and amount and type of pollutants are also factors.

They prefer to go to the government hospitals for any medication and health care.

This was the health condition of the family now.

#### Conclusion:

The health of the public, especially those who are the most vulnerable, such as children, the elderly and the sick, is at risk from air pollution, but it is difficult to say how large the risk is. It is possible that the problem has been over-stressed inrelation to other challenges in the field of public health

## Family 3:

I interacted with people about "AIR POLLUTION". One of them is a moter cycle mechanic his name is S.Karthik and his wife name is S.Kumari of age 38 years old. She told that her husband is being repairing different types of motorcycles of many costumers.

Some of them are not having the proper pollution certificates and other costumers bikes are not in good condition wich are emitting lot of poisonous gases. They are causing a lot of air pollution which leads to many dangerous health problems like lung diseases and respiratory problems. Many of their costumers are not using natural gas vehicles most of them are using petrol, diesel and other fuels which are costly and not good for nature.

To control this pollution caused by the vehicle is controlled by using bio gases instead of petrol and diesel.

#### Conclusion:

To control this pollution caused by the vehicle is controlled by using bio gases instead of petrol and diesel. The health of the public, especially those who are the most vulnerable, such as children, the elderly and the sick, is at risk from air pollution, but it is difficult to say how large the risk is, it is possible that the problem has been over-stressed in relation to other challenges in the field of public health.

#### RECOMMENDATIONS:

**Transition to Clean Energy:** Encourage the adoption of renewable energy sources such as solar, wind, and hydroelectric power to reduce reliance on fossil fuels, which are major contributors to air pollution.

**Promote Sustainable Transportation:** Encourage the use of public transportation, walking, cycling, and electric vehicles to reduce emissions from cars and other vehicles. Invest in infrastructure for alternative modes of transportation.

**Improve Industrial Practices:** Implement and enforce stricter regulations on industrial emissions, including installing pollution control technologies and promoting cleaner production methods.

Enhance Waste Management: Implement efficient waste management practices, including recycling and proper disposal of hazardous materials, to reduce emissions from landfills and incineration.

**Support Policy Measures**: Advocate for and support government policies and regulations aimed at reducing air pollution, such as emission standards for vehicles, pollution taxes, and incentives for clean energy.

Monitor Air Quality: Invest in air quality monitoring systems to track pollution levels and identify hotspots, allowing for targeted interventions and policy adjustments.

Encourage Research and Innovation: Invest in research and development of new technologies and solutions for reducing air pollution, such as low-emission vehicles, cleaner fuels, and advanced pollution control devices.

The Ways to Stop Air Pollution is:

- · Transition to Clean Energy
- Promote Sustainable Transportation
- Improve Industrial Practices
- · Enhance Waste Management
- Support Policy Measures
- Monitor Air Quality
- · Encourage Research and Innovation

In conclusion, combating air pollution is crucial for safeguarding public health, improving overall well-being, and advancing sustainable development, particularly in urban areas like Metropolis City. Addressing air pollution challenges demands a comprehensive approach involving regulatory measures,

technological advancements, public awareness campaigns, and collaborative efforts across sectors. By implementing effective air quality management strategies, promoting cleaner energy sources, and encouraging sustainable transportation practices, Metropolis City can mitigate the harmful effects of air pollution and create a healthier environment for its residents. It is imperative for all stakeholders, including government agencies, industries, communities, and individuals, to work together in pursuit of cleaner air and a better quality of life. Through collective action and innovative solutions, we can fulfill the fundamental right to clean air and ensure a brighter future for generations to come.

Investments in air quality infrastructure, including emission control systems, pollution monitoring stations, and green technology initiatives, are essential for achieving sustainable improvements in air quality. Moreover, implementing air quality monitoring programs and adopting effective pollution reduction technologies can help mitigate the sources of pollution and ensure healthier air for all.

Community engagement and awareness campaigns are pivotal in promoting sustainable practices such as reducing vehicle emissions, advocating for clean energy policies, and supporting green transportation initiatives. By empowering communities to take proactive measures to combat air pollution and participate in local decision-making processes, we can collectively work towards cleaner air and a healthier environment for current and future generations.

PRINCIPAL Principal

Shr C.R.College of Engineering ELURU - 534 007

## **PHOTOS**







PRINCIPAL

Principal

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## SIR C R REDDY COLLEGE OF ENGINEERING, ELURU

SCRRCE/Principal's Office/Notices/22-23

Date:01/12/2022

#### NOTICE

The Institution is excited to announce the upcoming "Awareness on Air pollution control" program scheduled to take place on December 02, 2022, at Vatluru village. This initiative will be spearheaded by the Department of Civil. I request the cooperation of all staff and students to ensure the success of this program. Your participation and support are crucial in making this event a grand success.

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# Awareness on Horticulture at Somavarappadu



08-08-2022

Organized by

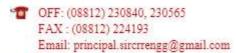
Department of E.C.E

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## REPORT ON AWARENESS ON HORTICULTURE

Date: August 8, 2022

Location: Somavarappadu

Organized By: ECE Department

#### Objective:

The program aimed to raise awareness about horticulture practices, including its significance in sustainable agriculture, economic opportunities, and environmental benefits.

#### Recommendations:

- Promote horticulture training programs, workshops, and demonstration plots to educate farmers about best practices, new technologies, and market opportunities.
- Facilitate access to quality seeds, seedlings, and planting materials for a diverse range of horticultural crops to enhance production and market competitiveness.
- Strengthen linkages between farmers, markets, and agribusinesses to facilitate value chain development, marketing strategies, and access to markets for horticultural produce.

#### Strategies for Promoting Horticulture:

- Establish community gardens, urban farms, and school horticulture programs to promote hands-on learning, food security, and community engagement.
- Encourage the adoption of agroecological principles, organic farming methods, and integrated pest management practices to minimize environmental impacts and promote ecosystem health.

- Foster partnerships between government agencies, non-governmental organizations, academia, and private sector stakeholders to support research, innovation, and capacity building in horticulture.

#### Conclusion:

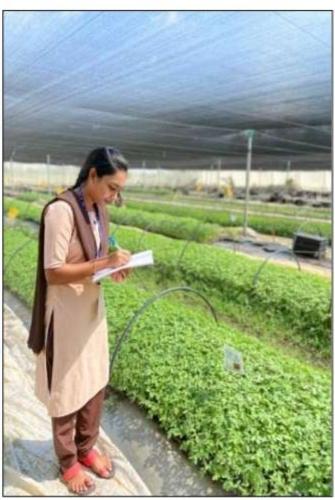
The Awareness on Horticulture event served as a platform for knowledge exchange, networking, and capacity building among stakeholders committed to advancing horticulture as a sustainable and profitable agricultural practice. The enthusiastic participation and collaborative spirit demonstrated during the event underscored the potential of horticulture to contribute to food security, rural development, and environmental sustainability. Moving forward, concerted efforts in education, research, policy support, and market development will be essential to unlock the full potential of horticulture for inclusive and resilient agricultural systems.

PRINCIPAL

C.R.R.College of Engineering ELURU - 534 007

## **PHOTOS**









PRINCIPAL

Principal Str C.R.R.College of Engineering ELURU - 534 007



## SIR C R REDDY COLLEGE OF ENGINEERING, ELURU

SCRRCE/Principal's Office/Notices/22-23

Date:07/08/2022

#### NOTICE

The Institution is excited to announce the upcoming "Awareness on Horticulture" program scheduled to take place on August 08, 2022, at Somavarappadu village. This initiative will be spearheaded by the Department of E.C.E. I request the cooperation of all staff and students to ensure the success of this program. Your participation and support are crucial in making this event a grand success.

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## Awareness on Soil Protection at Pedapadu



05-06-2022

Organized by

Department Of Mechanical

ELURU-534007, Eluru Dist., A.P., INDIA

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## REPORT ON AWARENESS ON SOIL PROTECTION

Date: June 05, 2022

Location: Pedapadu Village

Organized By: Mechanical Department

#### Objective:

The program aimed to raise awareness among farmers about soil protection practices and their vital role in sustainable agriculture on the occasion of National Soil Health Day.

#### Interaction Summaries:

Farmer 1: S. Ananda Rao

**Profile:** Age 42, 3 family members, owns 8 acres cultivating a variety of crops.

Practices: Currently uses chemical fertilizers, income of 60,000 yearly.

Feedback: Expresses interest in transitioning to organic farming for soil health, requests guidance on sustainable practices.

Conclusion: Open to adopting soil-friendly methods, seeks assistance for a smooth transition.

Farmer 2: K. Lakshmi

**Profile:** Age 48, 4 family members, owns 5 acres cultivating predominantly cotton.

**Practices:** Relies on chemical pesticides, income of 40,000 yearly.

Feedback: Concerned about soil erosion, willing to explore alternatives to protect the soil.

**Conclusion:** Eager to learn about soil protection methods, acknowledges the need for a shift in practices.

Farmer 3: R. Venkatesh

Profile: Age 55, 6 family members, owns 12 acres cultivating a mix of crops.

**Practices:** Uses a combination of chemical and organic fertilizers, income of 80,000 yearly.

**Feedback:** Emphasizes the importance of crop rotation for soil health, supports awareness campaigns.

Conclusion: Already practices some soil-friendly techniques, advocates for broader adoption.

#### Recommendations:

- Conduct regular soil health workshops to educate farmers on the impact of various farming practices.
- Promote organic farming practices and the use of organic amendments to enhance soil fertility.
- Encourage the adoption of cover crops to prevent soil erosion and improve soil structure.

#### Methods to Protect Soil Health:

- Implement crop rotation and diversification.
- Use cover crops and green manure.
- Reduce tillage to minimize soil disturbance.
- Monitor soil moisture levels for proper irrigation.
- Advocate for the responsible use of fertilizers and pesticides.

#### Conclusion:

The Soil Protection Awareness Campaign successfully engaged farmers in discussions about the crucial role of soil health in agriculture. Farmers expressed a willingness to adopt practices that protect the soil, showcasing a positive shift towards sustainable farming. Continued efforts in education and support will be essential to ensure the widespread adoption of soil-friendly techniques for a resilient and productive agricultural future.

#### ANTHROPOGENIC SOIL POLLUTION

Almost all cases of soil pollution are anthropogenic in nature. A variety of human activities can lead to the contamination of soil. Some such processes are listed below.

- > The demolition of old buildings can involve the contamination of nearby soil with asbestos.
- > Usage of lead-based paint during construction activities can also pollute the soil with hazardous concentrations of lead.
- > Spillage of petrol and diesel during transportation can contaminate soils with the hydrocarbons found in petroleum. Optimizing the cost of applying inputs such as seeds, fertilizers, agrochemicals, mechanization.

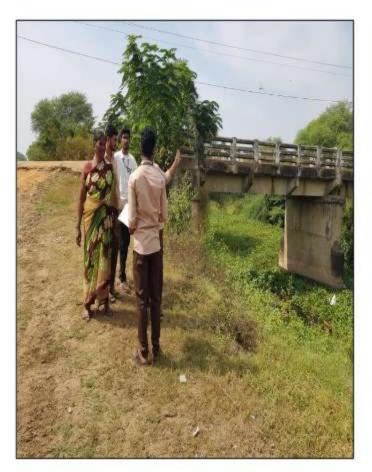
Improving supply chain efficiency and reducing the cost of borrowings. Derisking Indian agriculture by developing innovative crop insurance solutions and reducing supply-demand mismatch which causes price volatility.

The Ways to Increase Crop Yield:

- Quality Of Seeds. ...
- · Field Productivity Zoning. ...
- · Monitoring Crops Growth. ...
- · Accurate Weather Prediction. ...
- · Regular Scouting. ...
- Proper Irrigation. ...
- Smart Application of Fertilizers. ...
- · Crop Protection Methods.

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## **PHOTOS**





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## SIR C R REDDY COLLEGE OF ENGINEERING, ELURU

SCRRCE/Principal's Office/Notices/22-23

Date:05/06/2022

## NOTICE

The Institution is excited to announce the upcoming "Awareness on Soil Protection" program scheduled to take place on June 06, 2022, at Pedapadu village. This initiative will be spearheaded by the Department of Mechanical. I request the cooperation of all staff and students to ensure the success of this program. Your participation and support are crucial in making this event a grand success.

PRINCIPAL
Principal
Sh C.R.R. College of Engineering
ELURU - 534 007

Copy to: 1.The Correspondent

2. Member, Managing Committee & Designated Representative

All HODs

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