



PRAGATI ENGINEERING COLLEGE (Autonomous)

1-378, ADB Road, Surampalem, E.G.District, A.P. - 533 437
(Approved by AJCTE & Permanently Affiliated to JNTUK, Kakinada & Accredited by NAAC with 'A' Grade)
(Recognised by UGC Under Sections 2 (f) and 12 (b) of UGC act, 1956)
Ph : 08852 - 252233, 252234, 252235, Fax : 252232, Website : www.pragati.ac.in
(Sponsored by Gayatri Educational Society)
U. No. 2/23-4/2, Surampalem, E.G.District, A.P. - 533 437, Ph : 08852 - 252233, 252234, 252235, Fax : 252232

PEC/CE/Circular

Date: 27-08-2024

CIRCULAR

This is to inform that, as a part of the industry 4.0 student club activity of Pragati Engineering College "SANITATION and HYGIENE CLUB" cordially organizing **ESSAY WRITING** on "WASTE MANAGEMENT IN RAINY SEASON" on 09.09.2024 from 03:00 PM. onwards at MS-8 Core Block .

All the students and faculty members are requested to utilize this opportunity with your presence.

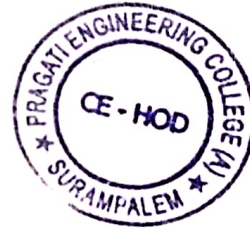
Copy to....

Dept. Notice Board.

Circulate among Faculty.

Class Rooms of II,III& IV year's


HOD-CE





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D No. 2-24-4/2, Ground Floor, Janmabhoomi Park Road, Surampalem, Kakinada - 3 Ph : 0884 2 155600 Fax : 252232

DEPARTMENT OF CIVIL ENGINEERING

Date: 10-09-2024

REPORT

ESSAY WRITING

on

"WASTE MANAGEMENT IN RAINY SEASON"

As a part of the industry 4.0 student club activity of Pragati Engineering College "SANITATION and HYGIENE CLUB" cordially organizing ESSAY WRITING on "WASTE MANAGEMENT IN RAINY SEASON" on 09.09.2024 from 03:00 PM. onwards at MS-8 Core Block .

Student members of INDUSTRY 4.0 of all the other departments have taken apart and contributed their knowledge to the participants.

Waste management is intended to reduce the adverse effects of waste on human health. the environment, planetary resources, and aesthetics. The aim of waste management is to reduce the dangerous effects of such waste on the environment and human health.

The program was attended by Faculty members and student members from Pragati Engineering College

Organizing Members:

S.No.	Name of the Organizers	Designation
1	Mr. D.V. Durga Prasad, Asst. Prof CE	Sanitation & Hygiene Club In-charge.
2	Mr.K. Jagadeeswar (22A31A0118)	Sanitation & Hygiene Club President
3	Ms.P.Tejaswini (22A31A0112)	Sanitation & Hygiene Club Vice- President
4	Mr. D. Surya Venkata Naga Sai (23A35A0114)	Sanitation & Hygiene Club Member

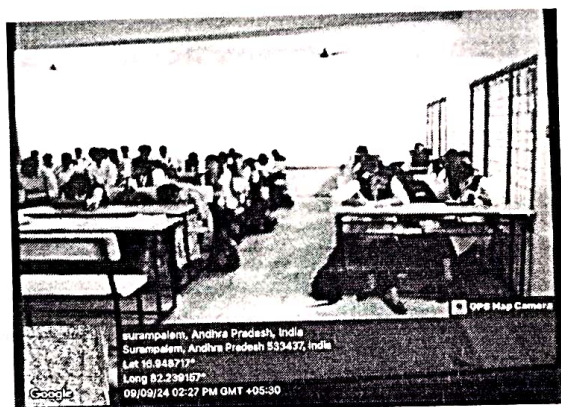
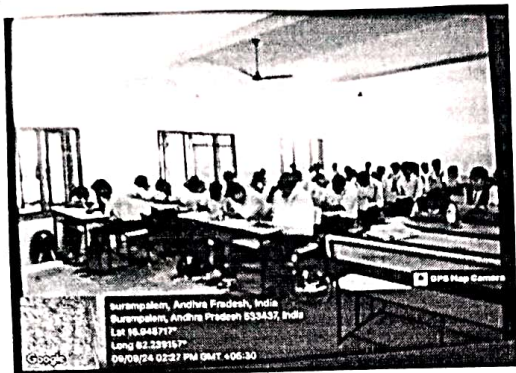


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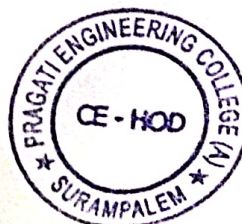
D No. 2-24-4/2 Ground Floor, Janmabhoomi Park Road, Srinagar, Kakinada - 3, Ph : 0884 - 2355900, Fax : 2353900

The picture of the event and glimpses of slides presented were mentioned in the report stated.



[Signature]
Coordinator

[Signature]
HOD-CE





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D No: 2-24-4/2 Ground Floor Janmabhoomi Park Road, Srinagar, Kakinada - 3. Ph: 0884 - 2355900, Fax: 2363900

DEPARTMENT OF CIVIL ENGINEERING LIST OF STUDENTS ATTENDED

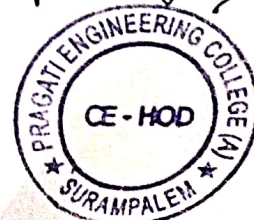
Date: 09-09-2024

ESSAY WRITING on "WASTE MANAGEMENT IN RAINY SEASON"

S.No	Roll Number	Name of the student	Signature
1.	23A35A0113	Dera, Mahesh	D. Mahesh
2.	21A31A0121	Ch. SVV Ram Kishore	Ch. SVV Ram Kishore
3.	23A35A0114	D. Sunayavekulanagasa	D. Sunayavekulanagasa
4.	22A31A0104	Y. Praveen Kumar	Y. Praveen Kumar
5.	23A35A0106	K. Utharika Ratnam	K. Utharika Ratnam
6.	P. Tejaswini	22A31A0112	P. Tejaswini
7.	22A31A0118	K. Jagadeeswar	K. Jagadeeswar
8.	23A35A0108	R. Varun	R. Varun
9.	D. Srisha	22A31A0102	D. Srisha
10.	22A35A0115	G. Shaleem Raj	G. Shaleem Raj
11.	21A31A0109	K. Harika Sri	K. Harika Sri
12.	23A35A0119	K. Raghuveer	K. Raghuveer
13.	23A35A0118	K. Venkatesh	K. Venkatesh
14.	21A31A0117	Y. Praveen	Y. Praveen
15.	23A35A0104	K. Velaya Bhannu	K. Velaya Bhannu
16.	23A35A0105	K. Lakshmi	K. Lakshmi
17.	23A35A0116	K. Karthik	K. Karthik
18.	23A35A0117	K. Bhagya Raj	K. Bhagya Raj
19.	23A35A0111	B. Satish	B. Satish
20.	23A31A0120	V. Anoushka	V. Anoushka
21.	21A31A0123	D. G. Das	D. G. Das
22.	22A35A0111	Y. Rakesh	Y. Rakesh
23.	21A31A0128	K. Karthik	K. Karthik
24.	22A35A0112	K. Kishore	K. Kishore
25.	22A35A0105	Ch. Surya Teja	Ch. Surya Teja
26.	21A31A0118	A. J. Swa Prakash	A. J. Swa Prakash
27.	23A35A0122	Y. Nani Satish	Y. Nani Satish
28.			
29.			

Event Coordinator

HOD-CE



WASTE MANAGEMENT

Gr. Pavitra Lahari

22ABIA0104

IN

10/10

RAINY SEASONS

INTRODUCTION:-

Waste Management is a critical issue that becomes even more pressing during the rainy season. The accumulation of waste, when combined with heavy rainfall, can lead to severe environmental and public health problems. Effective waste management during the rainy season is essential to prevent water pollution, reduce the risk of flooding, and maintain public health standards.

CHALLENGES:-

- Increased Waste Accumulation

The rainy season often leads to an increase in waste generation, particularly organic waste such as leaves, branches and other plant materials.

- Clogging of Drainage Systems

Improperly disposed of waste, especially plastic and other non-biodegradable materials, can clog drainage systems. This results in waterlogging and floods, which are common issues during the rainy season.

- Contamination of Water Sources

Rainwater can carry improperly disposed of waste into rivers, lakes and other water bodies, leading to severe contamination.

- Health Risks

The rainy season exacerbates the spread of diseases, particularly those related to poor waste management. Contaminated water supplies can spread diseases like cholera and typhoid.

STRATEGIES FOR PROTECTION :-

- Public Awareness and Education:

Educating the public about the importance of proper waste disposal is crucial, especially during the rainy season. Campaigns focusing on reducing plastic use, composting organic waste can significantly reduce.

- Improvement of Waste collection systems

Municipalities need to enhance waste collection system, particularly during the rainy season, to prevent the accumulation of waste.

- Emergency Response plans

Developing and implementing emergency response plans for waste management during floods and heavy rains is crucial.

PRECAUTIONS:-

- Proper Storage

Ensuring waste is stored in sealed, waterproof containers to prevent leachate formation.

- Public Awareness

Educating communities about proper waste disposal during the rainy season helps mitigate risks.

- Recycling

Emphasizing recycling and composting to reduce the amount of waste that could be affected by rain.

CONCLUSION:-

Effective waste management during the rainy season is essential to protect the environment and public health. By addressing the challenges of increased waste accumulation and by implementing above strategies can mitigate the negative impacts of waste during this critical period. Ultimately, proactive waste management not only prevents environmental degradation but also contributes to the overall well-being of society.

WASTE MANAGEMENT IN RAINY SEASON

Effective waste management is crucial year-round, but it becomes particularly challenging during the rainy season. The monsoon brings increased precipitation, which complicates waste handling due to flooding, water logging, and the proliferation of waste-related health hazards.

Addressing these challenges requires a multifaceted approach involving preventive measures, improved infrastructure, and community engagement.

Challenges of waste management in the Rainy season:

During the rainy season, the volume of waste often increases due to the accumulation of organic matter from fallen leaves and debris. Additionally, heavy rains can lead to flooding, which exacerbates waste management issues. Flooded areas can cause waste to disperse, spreading contaminants and increasing the risk of waterborne diseases. Moreover, waste disposal infrastructure, such as landfills and waste collection routes, can become less effective due to water logging and erosion.

One of the primary strategies to manage waste effectively during the rainy season is proactive planning. Communities and municipalities should develop comprehensive waste management plans that include flood resistance infrastructure and contingency plans for waste collection during severe weather events. Regular maintenance of

drainage system is crucial to prevent blockages that can exacerbate flooding and waste dispersion.

Improved infrastructure and community engagement and Education:

Upgrading waste management infrastructure is essential. This includes constructing covered waste bins to protect waste from rain, reinforcing landfill sites to withstand heavy rains, and improving waste collection vehicles to handle adverse weather conditions. Additionally, investing in waste-to-energy technologies can reduce the volume of waste that needs to be managed and minimized environmental impact. Engaging the community the community in waste management practices is vital.

Educating the public about proper waste disposal and recycling methods helps reduce the volume of waste is managed helps reduce the volume of waste generated and ensures that waste is managed correctly. During the rainy season, it is especially important to encourage practices that prevent waste accumulation in area prone to flooding.

Effective waste management during the rainy season requires a proactive and integrated.