



PRAGATI ENGINEERING COLLEGE **(Autonomous)**

1-378, ADB Road, Surampalem, E.G. District, A.P. - 533 437
(Approved by AICTE & 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: 98852 252233 252234 252235 Fax: 252232 Website: www.pragati.ac.in
(Sponsored by Gayatri Educational Society)

SEMINAR **ON** **WATERBORNE DISEASES AND THEIR SYMPTOMS** **DURING RAINY SEASON** **BY** **SANITATION & HYGIENE CLUB**



On AUGUST 02nd 2024, 03:00 PM ONWARDS

VENUE: MS-8 CORE BLOCK

PRAGATI ENGINEERING COLLEGE (A)

DEPARTMENT OF CIVIL ENGINEERING



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

PLC CE Circular

Date: 29-07-2024

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 SEMINAR on "WATERBORNE DISEASES AND THEIR SYMPTOMS DURING RAINY SEASON" on 02.08.2024 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.

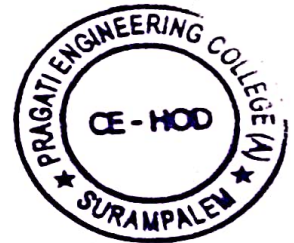
Copy to....

Dept. Notice Board.

Circulate among Faculty.

Class Rooms of II,III& IV year's

HOD-CE





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DEPARTMENT OF CIVIL ENGINEERING

Date: 03-08-2024

REPORT

Seminar on

“WATERBORNE DISEASES AND THEIR SYMPTOMS DURING RAINY SEASON”

As a part of the industry 4.0 student club activity of Pragati Engineering college “SANITATION and HYGIENE CLUB” cordially organizing SEMINAR on “WATERBORNE DISEASES AND THEIR SYMPTOMS DURING RAINY SEASON” on 02.08.2024 from 03:00 PM, onwards. Student members of INDUSTRY 4.0 of all the other departments have taken part and contributed their knowledge to the participants.

The program was attended by Faculty members and student with strength of 30 members from Pragati Engineering College is so thoughtful and informative.

During the session, the following are discussed:

Sanitation and hygiene are crucial during the rainy season to prevent waterborne diseases and maintain overall health. Here are some important practices to follow:

- Safe Water Management
- Personal Hygiene
- Food Safety
- Mosquito Control
- Sanitation Facilities
- Environmental Hygiene
- Clothing and Footwear
- Health Awareness

Organizing Members:

Mr. D.V.DURGA PRASAD , Asst. Professor

Mr.K. JAGADEESWAR , 22A31A0118

Ms.P.TEJASWINI , 22A31A0112



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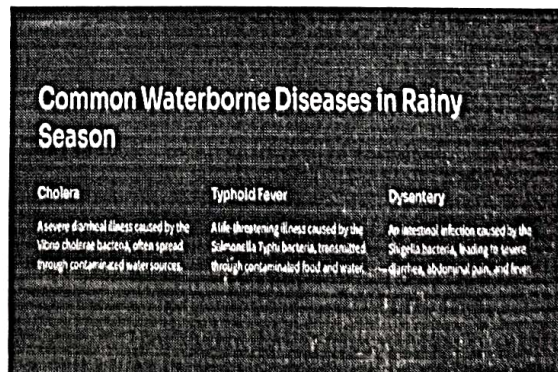
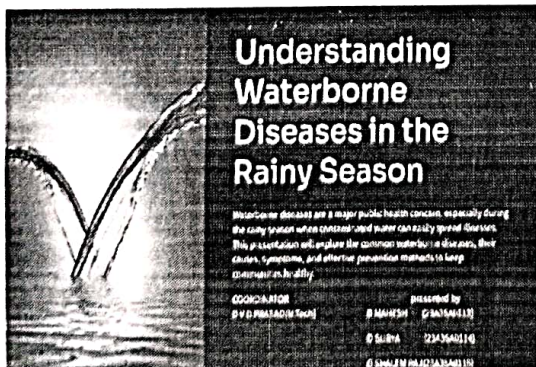
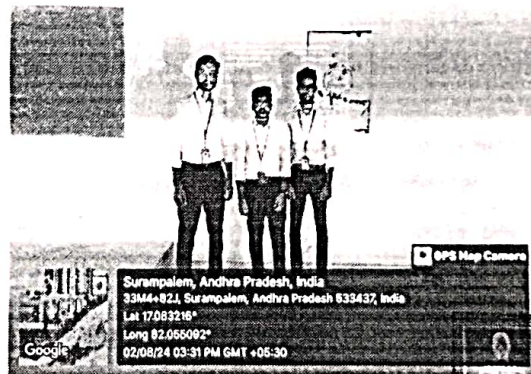
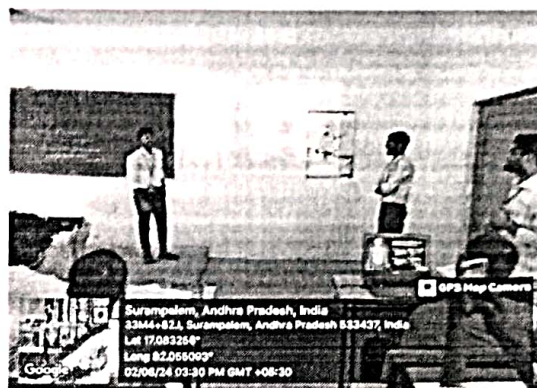
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SPEAKERS:

1. D. MAHESH - 23A35A0113
2. D. SURYA - 23A35A0114
3. G. SHALEM RAJ - 23A35A0115

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





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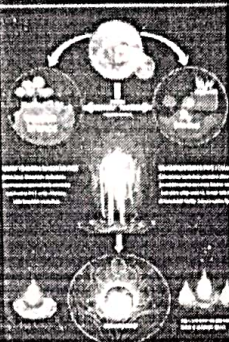
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Causes and Transmission of Waterborne Diseases

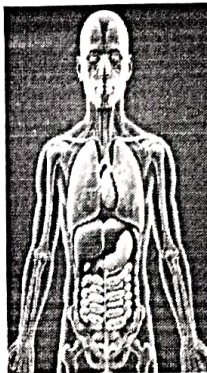
- Contaminated Water Sources**
Untreated or improperly treated water sources, such as rivers, lakes, and wells, can harbor harmful bacteria, viruses, and parasites.
- Poor Sanitation and Hygiene**
Lack of access to clean water, proper sewage disposal, and basic hygiene practices can facilitate the spread of waterborne diseases.
- Environmental Factors**
Heavy rainfall, flooding, and natural disasters can transport contaminants into water supplies, increasing the risk of waterborne disease outbreaks.

WATERBORNE DISEASE



Symptoms and Effects of Waterborne Diseases

- Severe Diarrhea**
A common symptom across many enteric diseases, leading to dehydration and electrolyte imbalance.
- Abdominal Cramps**
Painful contractions of the intestinal muscles, often accompanied by nausea and vomiting.
- Fever and Chills**
Indicative of the body's immune response to the infectious agents causing the waterborne illness.
- Long-term Complications**
Untreated or severe cases can lead to organ failure, brain damage, and even death.



Role of Public Health Authorities

Surveillance

Monitoring and reporting on waterborne disease outbreaks to identify trends and potential threats.



Public Education

Implementing awareness campaigns and providing information on prevention and response to waterborne diseases.



Regulation

Enforcing water quality standards and sanitation guidelines to ensure the safety of public water supplies.



Emergency Response

Coordinating rapid response efforts to contain and mitigate the impact of waterborne disease outbreaks.



Preventive Measures for Waterborne Diseases

Water Treatment

Ensuring access to clean, properly treated water through boiling, chlorination, or using water purification devices.

Improved Sanitation

Developing and maintaining safe, hygienic waste disposal systems, such as sewers and septic tanks.

Personal Hygiene

Regular handwashing, especially before eating and after using the bathroom, can help prevent the spread of waterborne illnesses.

Community Education

Raising awareness about the importance of clean water, proper sanitation, and personal hygiene practices.



Importance of Clean Water and Sanitation

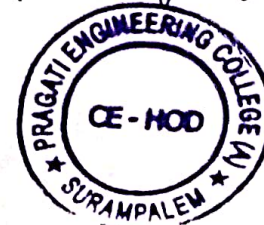
1	2	3
Improved Health Access to clean water and proper sanitation can significantly reduce the incidence of waterborne diseases and their associated health consequences.	Economic Benefits Reducing the burden of waterborne illnesses can lead to decreased healthcare costs, increased productivity, and overall economic development.	Environmental Sustainability Sustainable water management and sanitation practices can help protect natural water resources and the environment.

Conclusion and Key Takeaways

Waterborne diseases pose a significant threat, especially during the rainy season. Ensuring access to clean water, proper sanitation, and good hygiene practices are crucial for prevention. Public health authorities play a vital role in surveillance, education, regulation, and emergency response. Addressing waterborne diseases requires a comprehensive, multi-focused approach involving individuals, communities, and policymakers.

Coordinator

HOD-CE





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DEPARTMENT OF CIVIL ENGINEERING LIST OF STUDENTS ATTENDED

WATERBORNE DISEASES AND THEIR SYMPTOMS DURING RAINY SEASON

Date: 02-08-2024

S.No	Roll Number	Name of the student	Signature
1.	22A31A0108	P. Mahanatha	P. Mahanatha
2.	22A31A0107	N. Harika Lakshmi	N. Harika Lakshmi
3.	22A31A0104	P. Pavitra Lahari	P. Pavitra Lahari
4.	22A31A0102	D. Sirisha	D. Sirisha
5.	22A31A0111	S. Dhwanya Ambika	S. Dhwanya
6.	22A31A0112	P. Tejaswini Sai Durga	P. Tejaswini
7.	22A31A0118	K. Jagadeeswar	K. Jagadeeswar
8.	22A31A0101	B. Bhavani	B. Bhavani
9.	22A31A0125	P. Mani Kumar	P. Mani Kumar
10.	22A31A0110	Q. Jahnavi	Q. Jahnavi
11.	22A35A0114	D. Surya	D. Surya
12.	22A31A0106	M. Annapurna	M. Annapurna
13.	22A31A0124	M. Seelivar	M. Seelivar
14.	22A31A0132	R. Balaram	R. Balaram
15.	22A31A0123	R. Lakshmi Narayana	R. Lakshmi Narayana
16.	22A31A0134	V. Satyanarayana	V. Satyanarayana
17.	22A31A0141	M. Bobbu arish	M. Bobbu arish
18.	22A31A0123	N. Radha Chakradhar	N. Radha Chakradhar
19.	22A31A0125	G. Nagaventkateshwarrao	G. Nagaventkateshwarrao
20.	22A31A0116	C. S. Lalem AS	C. S. Lalem AS
21.	22A35A0115	D. Mahesh	D. Mahesh
22.	22A35A0113	K. Venkata Sai	K. Venkata Sai
23.	22A35A0118	K. K. Sai	K. K. Sai
24.	22A35A0116	P. N. Sath	P. N. Sath
25.	22A35A0122	T. Phaneendra Kumar	T. Phaneendra Kumar
26.	22A35A0121	R. Vabavi	R. Vabavi
27.	22A35A0108	S. Satya Siva	S. Satya Siva
28.	22A35A0109	K. Lahari	K. Lahari
29.	22A35A0105		
30.	22A35A0105		

Event Coordinator

HOD-CE

