

GLDM GOVT. DEGREE COLLEGE HIRANAGAR



**ONE DAY NATIONAL SEMINAR
ON
SOLID WASTE MANAGEMENT**

SPONSORED BY

**THE NATIONAL ACADEMY OF
SCIENCES, INDIA
(JAMMU CHAPTER)**

One Day National Seminar on Solid Waste Management was organized by Govt. GLDM Degree College Hiranagar under the aegis of IQAC sponsored by The National Academy of Science India, Jammu Chapter. The Chief Guest of the occasion was Dr. Rakesh Minhas (I.A.S.) Deputy Commissioner Kathua, Prof. R.N.Gohil, Secretary the National Academy of Science India, Jammu Chapter was the Guest of Honor and the keynote speaker was Prof. Anil Kumar Raina former Head Department of EVS University of Jammu and Rector Bhandarwah, Campus.

The Seminar was attended by a galaxy of Principals of different Govt. Degree Colleges of Jammu and of Schools, faculty members, SDM Hngr, ZEOs, and other officials of the district.

The main objective of the Seminar was to sensitize the audience about the health impacts of Solid waste & to motivate everyone to reduce waste & promote resource conservation, proper handling & disposal.

The Seminar began with the traditional lamp lighting by the Chief Guest & dignitaries alongwith chanting of Mantras & Sarswati Vandana. Followed by the welcome address by the esteemed Principal of the College. Dr. Pragya Khanna. She warmly welcomed all the dignitaries & acquainted the audience of the need of organizing such Seminar on Solid Waste Management. A beautiful power point presentation (PPT) on various curricular & Co-curricular



activities organized by College was presented by Prof. Roopali Jamwal, Head of the Department, Computer Sciences.

Quarterly Newsletter of the College, the Quality Reporter was released by the Chief Guest, Principal and dignitaries; followed by the keynote address by Prof. Anil Kumar Raina former Head Department of EVS, University of Jammu & Rector Bhaderwah Campus. He elaborated on zero waste Management. He emphasised that use and throw culture of society has triggered the problem of Solid Waste Management. He expressed grave concern on food wastage that is wreaking havoc on planet earth. He suggested various practical approaches for managing the Solid Waste.

This was followed by an impressive address by the Guest of Honor, Prof. R.N. Gohil, Secretary, The National Academy of Sciences India, Jammu, Chapter. He focused on Refuse, reuse and Recycle of Solid Waste. He encouraged students to think of the alternative uses of Solid Waste so as to make it a Resource.

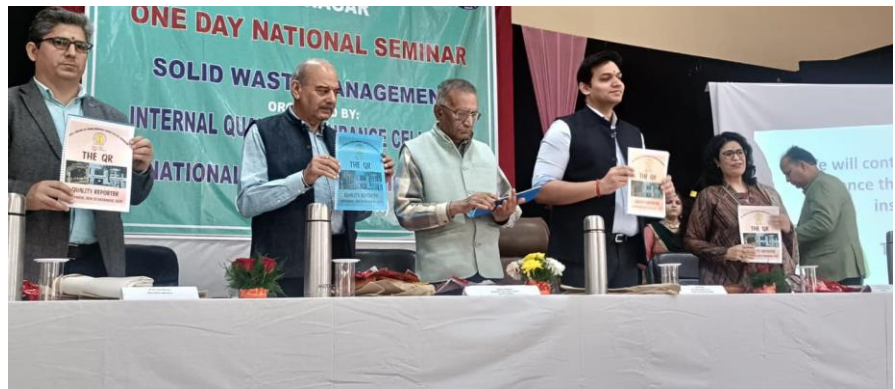
Thereafter, Chief Guest of the event esteemed Dr. Rakesh Minhas (I.A.S) DC Kathua addressed the gathering. He hailed the efforts of the organisers for organising such an insightful Seminar on such burning issues. He shared his experiences in Waste Management being an administrator and inspired audience for proper waste segregation and disposal.



Later formal vote of thanks of inaugural session was presented by Prof. Amit Kumar Sharma, the Organising Secretary of the event.

Followed by the technical sessions wherein Prof. Deepak Pathania, Department of EVS Central University of Jammu spoke on the topic: "Transforming waste to wealth for achieving circular economy". He elaborated on various ways to manage waste by obtaining useful products from waste like bio gas production, Musrooms cultivation from agricultural waste, Ethanol production from Agro waste etc. The Second Speaker: Dr. Anuradha Gupta, Nodal Officer, Solid Waste Management Jammu Kashmir Pollution Control Board, Motivated the students in a simple ways to segregate the waste and start composting in their homes and inspire their elders to do the same. Third Speaker: Dr. Partik Kumar, Assistant Professor Civil Engineering IIT Jammu inspired the audience to segregate the waste and Manage it properly.

In the last a beautiful and relevant poem on Solid Waste Management was recited by Dr. Geeta Lakhotra from GDC Bishnah.



On the occasion the College also organised Poster and Model Presentation competitions in which 42 schools and Colleges presented their Models and Posters. The students participated wholeheartedly and enthusiastically in the event. The winners of the



Models presentation were Infant Jesus Higher Secondary School 1st prize, Govt. High School, Gurha Mundian 2nd prize and Govt. High School Khanpur, 3rd prize. The winners of poster presentation were GDC Bishnah 1st prize, GCW Gandhinagar, 2nd prize and 3rd prize GDC Samba. Both the competitions were adjudged by Jury members- Dr. Nazia Rasool Latifi, Dr. Sudesh Kumar, Dr. Suraya Pratap Singh, Dr. Shalini Sharma, Dr. Asha Singh and Prof. Arvind Kumar.

The entire event was organized by Dr. Rajesh Kumar Sharma, convener IQAC, Prof. Amit Kumar Sharma, organising Secretary, Prof. Neeru Sharma, Co-organising Secretary and the wholehearted efforts of the College staff. The proceedings of the Seminar were meticulously managed by Prof. Shapia Shameem NSS (PO) Dr. Rajni Bala, Prof. Shivani Slathia and Dr. Inaam-UI-Haq alongwith students Dakshita, Shubam, Lalit, Mohit, Saloni and team of NSS and Eco-Club. of the College.





Shot on OnePlus















MODEL
No.8



Shot on OnePlus



MODEL
No.12

Shot on OnePlus



Shot on OnePlus

MODEL

11

HIRANAGAR

GHHS HIRANAGAR

COMPOST MAKING AT SCHOOL

- STEP-1 PUT SOME DRY LEAVES WIDE THE BIN
- STEP-2 PUT KITCHEN WASTE OVER THE LEAVES
- STEP-3 PUT SOME WASTE PAPER TO COVER THE WASTE
- STEP-4 ADD YOUR DAILY KITCHEN WASTE

MIX COMPOST WITH SOIL TO INCREASE SOIL FERTILITY

COMPOST READY TO AFTER 3 MONTHS USE

WASTE

Advantages of use of Compost.

- 1. It enriches the soil with nutrients and organic matter.
- 2. It increases soil health (improvement).
- 3. It increases water holding capacity of soil.
- 4. It is an environment friendly and safe method of waste management which reduces...

DECOMPOSITION BY BACTERIA, FUNGI, EARTHWORMS, INSECTS ETC

FOOD GROWN IN OUR KITCHEN GARDEN CONTRIBUTE TO SUSTAINABLE FUTURE

THE COMPOST CYCLE



COMPOST

MODEL No.10



Over Time This Mixture Breaks Down Into Soil
 The CREATURES SUCH AS WORMS AND BACTERIA HELP THE PROCESS
 COMPOST IS RICH IN NUTRIENTS AND IS PERFECT FOR YOUR GARDEN!



SOLID WASTE MANAGEMENT

* Includes the process and actions required to manage waste from its inception to its final disposal.

Areas Covered in this Model



Hazardous Waste like chemicals. Mainly used in Hospital

Organic Waste Mainly used in Kitchen

Used for waste that is not biodegradable

Used for metals, plastics, paper and glass etc. *Waste in blue bin can be recycled.

MODEL No.9



MODEL
No.13



Dustbin
Think Clean and
Use dustbin

SMOKE Filter

POWER
HOUSE

HOME

Topic → Solid waste
Management.
Theme → Waste to
Energy



**MODEL
No.20**



Shot on OnePlus





POSTER
No.23



$CO_2 + H_2O \rightarrow H_2CO_3$
Carbon + Water \rightarrow Carbonic
Dioxide Acid

POLYTHENE: SAND
Ratio 5 : 1

MODEL
No.15



APARTMENT

APARTMENT

FACTORY

FACTORY

FACTORY

PAPER

PLASTIC

GLASS

WASTE MANAGEMENT

GARBAGE DUMPING CENTRE

LANDFILL

MADE By:-
Khushboo - 8th class
Radhika - 6th class
GMS DHALLI
ZONE SALLAN

**MODEL
No.1**

Right to Education
Act 2009

GOVT. MIDDLE SCHOOL
Admission
ZONE : SALLAN
UDISE CODE: 01141801201

Shot on OnePlus



MADE BY:-

SURYA - 7th class

MANJOT - 7th class

GMS DHALLI Zone Sallan

MODEL
No.2



Biodegradable Waste
(leaves, paper, vegetable waste, etc)

Non biodegradable Waste
(Plastic, etc)

Hazardous Waste
(glass, batteries, etc)

WASTE SEGREGATION

MODEL
No.3



Waste Minimization and Prevention

MODEL
No.4





MODEL No.6

Shot on OnePlus



SMART DUSTBIN

- 1. Works on Solar Panels.
- 2. No need of external power supply.
- 3. It is a smart project.
- 4. Automated lid.

SAI INTERNATIONAL SCHOOL

MODEL No.7

Shot on OnePlus



MODEL
No.8



Shot on OnePlus



MODEL
No.12

Shot on OnePlus



Shot on OnePlus

MODEL
11



HIRANAGAR

GOVT. GIRLS HIGH SCHOOL HIRANAGAR

COMPOST MAKING
AT SCHOOL

STEP 1: PUT SOME DRY LEAVES INSIDE THE BIN
STEP 2: PUT KITCHEN WASTE OVER THE LEAVES
STEP 3: PUT SOME WASTE FROM TO COVER THE WASTE
STEP 4: ADD YOUR DAILY KITCHEN WASTE

MIX COMPOST WITH SOIL TO INCREASE SOIL FERTILITY

COMPOST READY TO AFTER 3 MONTHS USE

WASTE

Advantages of Use of Compost
1. It enriches the soil with nutrients and organic matter.
2. It increases soil health.
3. It increases water holding capacity of soil.
4. Organic food is good for environment.
5. It is an environment friendly as the solid waste management which require

DECOMPOSITION BY BACTERIA, FUNGI, EARTHWORMS, INSECTS ETC

COMPOST FOOD GROWN IN OUR KITCHEN GARDEN CONTRIBUTE TO SUSTAINABLE FUTURE

THE COMPOST CYCLE

GOVT. GIRLS HIGH SCHOOL HIRANAGAR
COMPOST

MODEL No.10



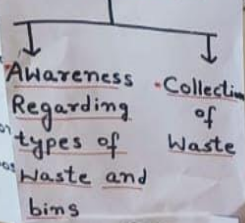
NOTE: THIS MIXTURE BREAKS DOWN INTO SOIL. THE CREATURES SUCH AS WORMS AND BACTERIA HELP THIS PROCESS.
COMPOST IS RICH IN NUTRIENTS AND IS PERFECT FOR YOUR GARDEN.



SOLID WASTE MANAGEMENT

* Includes the process and actions required to manage waste from its inception to its final disposal

Areas Covered in this Model



WASTE MANAGEMENT PLANT
Reduce Reuse Recycle

Hazardous Waste like chemicals.
Mainly used in Hospital

Organic Waste
Mainly used in Kitchen

Used for waste that is not biodegradable

Used for metals, plastics, paper and glass etc.
*Waste in blue bin can be recycled.

MODEL No.9



Dustbin
Think Clean and
Use dustbin

SMOKE Filter

POWER
HOUSE

HOME

Topic → Solid waste
Management.
Theme → Waste to
Energy



**MODEL
No.20**



Shot on OnePlus

Types of hazardous waste :-
 1) Electronic Waste
 2) Toxic metals
 3) Flammable liquids
 4) Radioactive waste

Effects of Hazardous waste :-
 1) Environmental Pollution
 2) Human Health risks
 3) Soil and Groundwater Contamination
 4) Air and water Pollution

Management of Hazardous waste :-
 1) Proper Storage
 2) Labelling and documentation
 3) Treatment and disposal
 4) Recycling and reuse.

Govt. HSS Chakra

Shot on OnePlus