

A.S.D.GOV.T. DEGREE COLLEGE FOR WOMEN (A)

**(Re-Accredited with 'B' Grade by NAAC) (Affiliated to Adikavi Nannaya University)
Jagannaickpur, Kakinada.**

DEPARTMENT OF MICROBIOLOGY



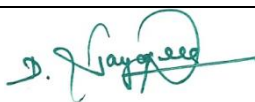
Exhibition on Microbial Diseases

National Science Day

ON

28-02-2023

A.S.D. GOVT. DEGREE COLLEGE FOR WOMEN (A)
Jagannaickpur, Kakinada
Department of Microbiology
Activity Register 2022-2023

Date	28 th February 2023
Conducted through (DRC/JKC/ELF/NCC/NSS/Dept etc.)	Department of Microbiology
Nature of Activity (Seminar/Workshop/Extn.Lecture etc.,)	National Science Day
Title of the Activity	Exhibition
Name of the Department/Committee	Department of Microbiology
No. of students participated	80
Brief Report on the activity	<p>The National Science Day exhibition inaugurated by chief guest Sri. K.K.S.V. Rama Sastry, Psychologist – Motivational Speaker.</p> <p>He delivered a guest lecture on Goal setting and Hard work. Sir gave an extempore lecture to motivate the students regarding their academics.</p> <p>Sir visited the stalls arranged in exhibition on Microbial genetics and their applications at Microbiology department.</p> <p>Later nearby school children visited the Microbiology department and learned about laboratory equipment and working of Instruments.</p>
Name of the Lecturers who Planned & conducted the activity	Smt. D. Jayasree
Signature of the Dept. In- Charge/Convener of the Committee	
Signature of the Principal	
Remarks	



**A.S.D. Govt. Degree College (A)(W)
Kakinada**

All Science Departments (together)

**National Science Day 28th Feb-2023
Global Science for Global Wellbeing**

Welcome to Chief Guest
Dr. K.K.S.V. Rama Sastry Garu
Psychologist & Motivational Speaker




Exhibition of Different Models

HIV Diagnosis

Diagnosis of HIV

HIV Human Immunodeficiency Virus is virus that attacks the body's immune system as the it not detected, will spread to other. There are currently no effective cure. Once people get the virus there is no cure.



HIV INFECTION

- Unprotected sexual intercourse with an infected partner
- Vertical transmission (from mother to child)
 - in utero
 - during delivery
 - breast milk
- Injection drug use (one shared needle/syringe)

Testing Options

Rapid Point-of-Care
Measures Antigen & antibodies
Results: 20 minutes

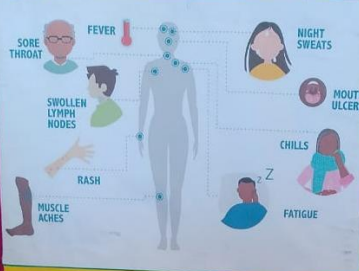
Standard Point-of-Care
Measures Antibodies
Results: 5-10 days

Nucleic Acid
Measures HIV
Results: 1 hour

HIV diagnosis
An antibody test is the most common way to check for HIV. It looks for antibodies that the body makes in response to the virus. It can usually detect HIV 10 to 12 weeks after exposure. The test is done through a blood sample. Antibodies start to show up in the blood 2-4 weeks after exposure. Antibody tests are the most common way to check for HIV. It looks for antibodies that the body makes in response to the virus.

SYMPTOMS OF HIV

HIV is a sexually transmitted infection (STI) that is spread by contact with infected blood or from their infection area to a sharing needles. It can also be spread from mother to child during pregnancy, childbirth or breast feeding. Without treatment it may take years before HIV weakens your immune system to the point that you have AIDS.



SYMPTOMS OF HIV

Symptoms of HIV include:

- Fever
- Sore throat
- Swollen lymph nodes
- Rash
- Muscle aches
- Night sweats
- Mouth ulcers
- Chills
- Fatigue

Early symptoms of HIV

- Fever & chills
- Sore throat, swollen lymph nodes, & mouth ulcers
- Muscle aches and fatigue
- Joint pain
- Headaches and irritability
- Pharyngitis (sore throat) with a bright redness of throat and chest pain
- High heart rate and blood pressure
- Diarrhea and stomach pain
- Women changes in menstrual cycle (heavy, light, or irregular) and vaginal yeast infections (itchy, white discharge)

SYPHILIS

Syphilis is a bacterial infection that can be passed from one person to another through sexual contact. It can also be passed from a mother to her baby during pregnancy or childbirth. The infection can cause a variety of symptoms, including a skin rash, sores, and joint pain. If left untreated, it can lead to serious complications.

Exhibit on HIV Symptoms and Diagnosis

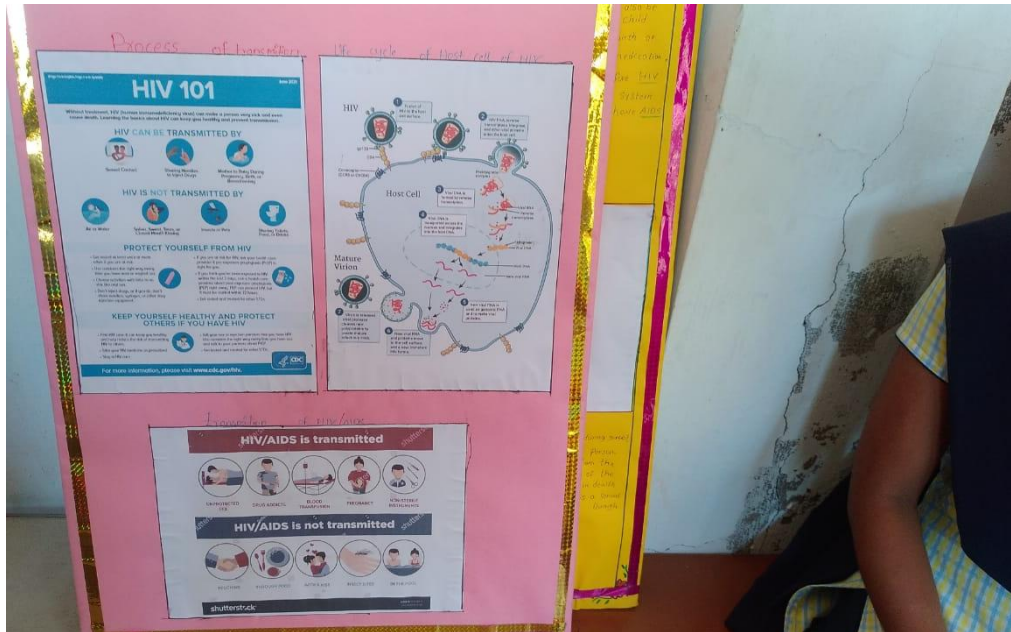


Exhibit on HIV Life Cycle
Visiting of Stalls by Chief Guest

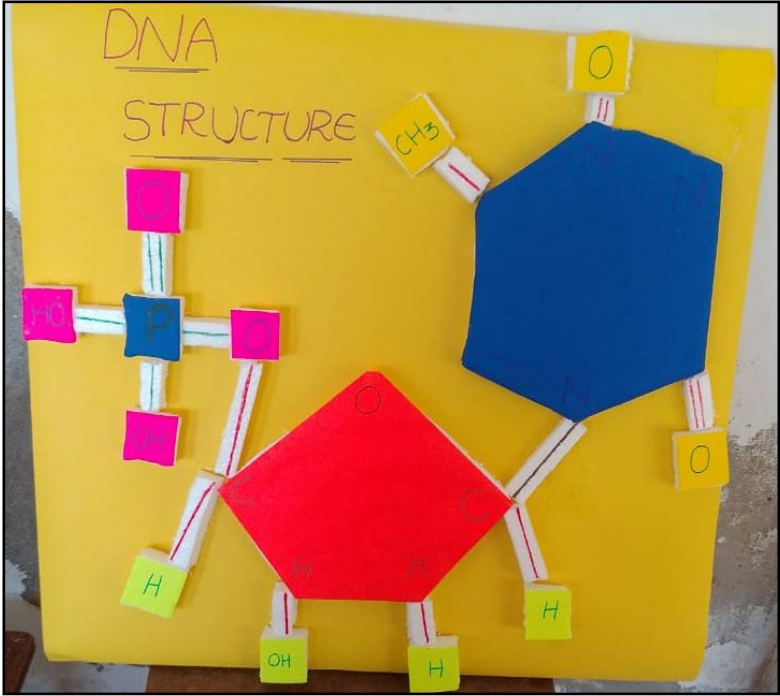
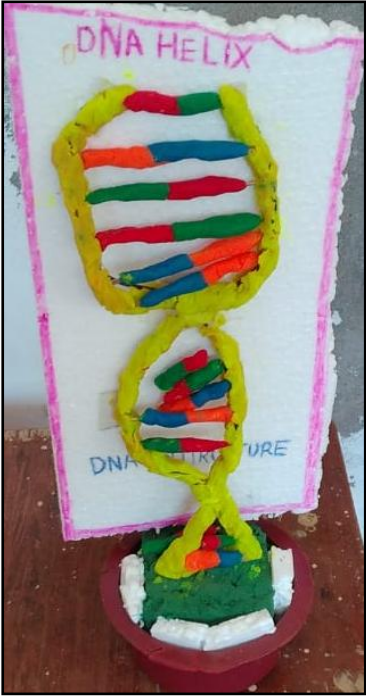


Students visited from nearby Schools and colleges



Equipment Demonstration

Different Models on DNA Structure



Different Models on HIV Diagnosis

