

## **VACCINES : A PATH TO GLOBAL HEALTH SECURITY**

**Nature of Programme** : National vaccination day

**Title** : VACCINES;A PATH TO GLOBAL HEALTH SECURITY

**Resource person** : **Dr. Asha Parveen Sayyad,**  
Assistant Professor, Dept. of Community Medicine,  
Govt. Siddhartha Medical College, Vijayawada.

**Number of Students** : I & II B.sc honors-Microbiology, food  
science & technology, III FMC , 3 Staff  
members

**Date** : 10/03 /2025

**Brief Report** :

**Dr.Asha parveen sayyad**, explained Vaccines play a crucial role in preventing infectious diseases, reducing mortality rates, and ensuring public health security by controlling outbreaks and promoting herd immunity. They come in various types, including live attenuated (MMR, BCG), inactivated (Hepatitis A, Polio [IPV]), subunit/recombinant (Hepatitis B, HPV), toxoid (Tetanus, Diphtheria) designed to stimulate immunity effectively. Global organizations such as WHO, UNICEF, Gavi, the Vaccine Alliance, the Bill & Melinda Gates Foundation, and government agencies provide funding and support for vaccine distribution and immunization programs. Successful eradication efforts include the WHO-led Smallpox Eradication Program, which eliminated smallpox in 1980, and the Global Polio Eradication Initiative (GPEI), which has drastically reduced polio cases.

