# World Zoonoses Day 2026

The Department of Microbiology at **Sri Chamundeshwari Medical College Hospital & Research Institute** commemorated *World Zoonoses Day* on **6th July 2026** with a unique academic initiative. Students of Phase II MBBS showcased their creativity and scientific understanding through **flowcharts and 3D paper models** on zoonotic infections, as part of the MI 9.1 competency.

This activity was designed to integrate **team-based learning (TBL)** and **project-based learning (PBL)** into the curriculum, encouraging students to collaborate, research, and present their findings in innovative formats.

## Student Activities

- **Flowcharts:**
  Groups prepared concise, visually appealing flowcharts covering etiology, reservoirs, transmission cycles, clinical features, laboratory diagnosis, and prevention strategies for infections such as **rabies, anthrax, brucellosis, leptospirosis, and plague**.
- **Model Assignments:**
  Other groups created **paper and 3D models** illustrating complex infection pathways, including:
  - Rabies virus structure & transmission cycle
  - Anthrax spore lifecycle
  - Leptospirosis transmission (rat → water → human)
  - Plague transmission (rat–flea–human chain)
  - Avian influenza mutation & spread

Each group presented their work in class, with **5–7 minutes per team**, explaining the scientific concepts and demonstrating their models.

## Learning Outcomes

- **Enhanced Understanding:** Students reported that preparing flowcharts and models helped them visualize disease transmission cycles and laboratory diagnosis more effectively.

- **Teamwork & Collaboration:** The activity fostered **peer learning**, with students working in groups to divide tasks, research, and present collectively.
- **Communication Skills:** Oral presentations boosted confidence, clarity, and the ability to explain scientific concepts to peers.
- **Creativity in Science:** Models and charts transformed abstract microbiological concepts into tangible, memorable learning tools.
- **Assessment Integration:** Faculty evaluated the assignments using a structured rubric (accuracy, clarity, creativity, communication, and overall impact), contributing to formative assessment.

**Significance of World Zoonoses Day**

World Zoonoses Day marks the anniversary of **Louis Pasteur's first successful rabies vaccination on 6th July 1885**. The day emphasizes the importance of understanding zoonotic diseases, which account for over **60% of emerging infectious diseases worldwide**.

By engaging students in innovative teaching methods, the Department highlighted the **public health relevance of zoonoses**, while simultaneously strengthening academic competencies.

**Conclusion**

The 2026 observance of *World Zoonoses Day* at SCMCH&RI was not just a commemoration but a **transformative learning experience**. Through charts, models, and presentations, students deepened their knowledge of zoonotic infections while developing essential skills in teamwork, communication, and creativity.

This initiative exemplifies how **innovative teaching methods** can bridge the gap between theoretical microbiology and practical public health awareness, preparing future doctors to tackle zoonotic threats with clarity and confidence.