

ST JOSEPH'S DEGREE COLLEGE

DEPARTMENT OF ZOOLOGY

EXHIBIT

EcoNova & AquaNexa

Date: 7 January 2026 - 9 January 2026

Time: 9:30 am to 4:00 pm

Venue: PRAGYAN EXPO AT

MONTESSORI SCHOOL (A CAMP)

Synopsis:

As part of the Golden Jubilee Celebrations of the Montessori Group of Schools, St. Joseph's Degree College received an invitation from Montessori Senior Secondary School, Kurnool, to participate in the Mega Science Expo - 2026 (Pragyan Expo). The expo served as a prestigious inter-institutional platform aimed at promoting scientific awareness, innovation, and interdisciplinary learning among students.

Responding enthusiastically, the Department of Zoology, SJDC, actively participated with the objective of connecting scientific knowledge with real-world environmental challenges.

The students presented an innovative and sustainability-driven project titled "**EcoNova & AquaNexa: Towards a Greener and Cleaner Future**", focusing on environmental conservation, pollution control, and sustainable resource management. The project emphasized the role of ecological awareness and applied science in building a balanced and sustainable ecosystem for future generations.

The exhibition was broadly divided into two integrated themes:

EcoNova - Green Energy & Sustainable Living

This segment highlighted modern solutions for environmental protection and energy conservation:

- Promotion of electric vehicles to reduce carbon emissions
- Demonstration of solar panel technology for renewable energy generation
- Installation concepts of air purifiers in urban streets to control pollution
- Awareness on energy conservation practices and reduction of environmental degradation

AquaNexa - Water Conservation & Recycling

This segment focused on sustainable water management techniques:

- A working model of a domestic water recycling system
- Filtration process using sand, stones, charcoal, and cotton
- Methods to treat wastewater from households and small industries
- Emphasis on water reuse, conservation, and preservation for future generations

The presentation received wide appreciation from the Head of the Institution and visitors for effectively integrating practical solutions to real-world environmental issues. The students were commended for their clarity, creativity, and scientific approach, and were awarded Certificates of Appreciation.

Objectives:

1. To demonstrate how sustainable technologies like solar energy, electric vehicles, and air purification systems can help reduce environmental pollution.
2. To promote awareness about water conservation through practical models of domestic wastewater recycling.
3. To bridge the gap between scientific knowledge and real-life environmental applications.

Outcomes:

1. The project successfully promoted the concept of a green and sustainable environment by showcasing eco-friendly technologies and pollution control methods.
2. The exhibition inspired visitors, especially young students, to understand the importance of sustainability and environmental responsibility.
3. The initiative strengthened awareness about water reuse and conservation, emphasizing its importance for future generations.

Participants:

Vadde Vinay, Gudisha Sumanth,

Shaik Bushra Banu,

Pinjari Afiza, Sabolu Dhanya

Gallery:

MONTESSORI GROUP OF SCHOOLS
ANDHRA PRADESH | TELANGANA

Invitation

Mega Science Expo
(Jan 7th to 9th 2026)

పంచతత్వ
- Unravelling the mystery of the 5 elements

Chief Guests

Dr. B.V.R. Mohan Reddy Garu
Founder Chairman, Cyient Ltd., Chairman Board of Governors, IIT Hyderabad

Dr. G.S.N. Raju Garu
Chancellor Centurion University & Ex.V.C., Andhra University

Sri Harish C.P. Yarlagadda Garu
Chairman, Malaxmi Group

Prof. P. Chandrasekhar Garu
IITDM, Kurnool & Former Scientist ISRO / NRSC

Jan | **07th** | 2026
Wednesday @ 09.30 am

Venue:
Montessori Senior Secondary School, A-Camp, Kurnool.

Visiting Hours: 10.00 am to 4.00 pm



