



The Centre for Applied Sciences, Government Degree College (Men)-Srikakulam, Andhra Pradesh conducted science promotion and practical orientation sessions with the kind support and assistance of THE ACADEMY TRUST (tAct)-Bangalore in various junior college of the Srikakulam district, one of the most backward district in Andhra Pradesh to promote critical thinking and attraction of young minds towards science education and research. In this connection, we would like to thank the convener **Prof. H. S. Misra**, Ph.D., FNASc, FNA, School of Sciences, GITAM University, Visakhapatnam. Cell: 9920458791; Mail ID: hmisra@gitam.edu, Chairman of tAct- Bangalore, tAct-Bangalore Program Coordinator Dr. Subhankar Biswas, all the colleges, students and local organizing team members.

The details of the events given below:

Event Date: 20-04-2023

Venue & Name of the College: GURAJADA EDUCATIONAL INSTITUTIONS-Srikakulam

Number of Participants Involved: ~ 200

Number of Faculty Involved: 08

Event Description: By 10 am we started the event with brief inauguration session, where Convener Prof. Prof. H. S. Misra & Coordinator Dr. M. Pradeep briefing about the event

to the students. Followed by Lecture cum interactive session with the participants till 12.30 PM. Followed by Lunch break, after that the participants were divided into groups, created awareness on various practicals like

- 1. Flight model Experiment:** In this the organizers asked the participants to make an origami based paper flight, allowed to fly. Subsequently calculate the flight time, wings length, body length etc. By altering the flight parameters, again fly the flight and calculated the flight time. The same procedure repeated several times and finally identified the best flight time with what parameters and compare with the students.
- 2. Leaf volume Experiment:** The organizers provided a leaf and a graph paper to every participant, instructed them to put the leaf on the graph paper, outline the leaf with a pen or pencil. Then asked them to count the number of full squares in the border, and finally found the leaf volume. After that the organizers instructed the students to compare the volume with others.
- 3. Bio-mimicry Demonstration:** The organizers created awareness to the participants about the scientific inventions that have been inspired by the nature.
- 4. Foldscope Experiment:** Foldscope is an origami based low cost paper microscope, costs around Rs. 100/- with magnification power of 140X. This can also assembled with the cell phone and increase the magnification. We can also project the specimen image on the wall using foldscope. The organizers created awareness about this low cost paper microscope to the participants till 5 pm.

Interactive Sessions with the Students:



