Student CanSat Training and Launching Program in the Philippines

Stephanie Tumampos

Regulus Spacetech Inc
University of the Philippines

OVERVIEW

- *The Philippines has a growing community of enthusiasts in astronomy and space science, particularly space science exploration.*

- *The Philippines doesn't have a concrete space science curriculum in the country.*

- *Philippines needs people to be engaged in space science technology and exploration as it will benefit the country.*

Dr. Rogel Mari Sese

- *Point of Contact for UNISEC-Global*
- *Focal Person for the Space Science Education Program*
- *Member of the International Astronomical Union*
- *Assistant Professor at the University of the Philippines Los Baños*

What to do?

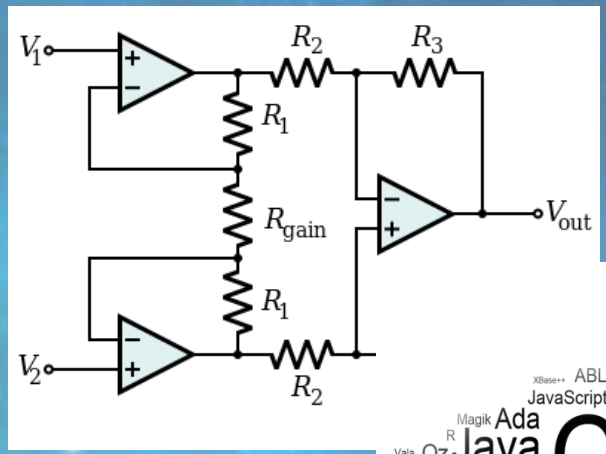
1. The program will be offered to high school and university students at the start of the school year (June).
2. The program will have a preliminary stage which will include trainings, lectures, workshops and actual assembly of CanSat.
3. The next stage of the program will be the competition stage where assembled CanSatellites will be launched. This part will also culminate the program.

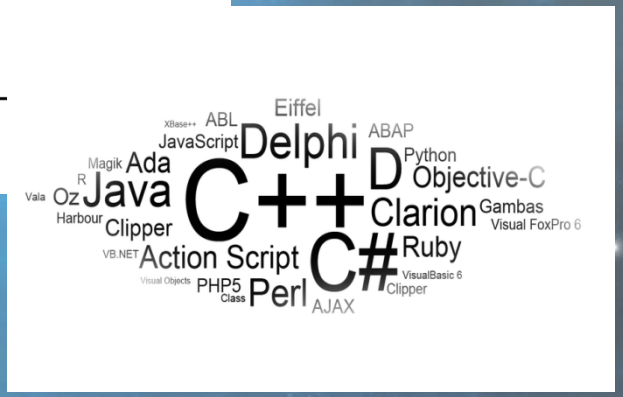
TIME FRAME (2014)

JAN	• PLANNING
FEB	• PLANNING and INVITATIONS to SCHOOLS
MAR	• PLANNING
APR	• MODULE MAKING and BRIEFING of LECTURERS
MAY	• FINAL PREPARATIONS
JUN	• START of TRAININGS AND WORKSHOPS
JULY	• TRAININGS and WORKSHOPS
AUG	• TRAININGS and WORKSHOPS
SEP	• TRAININGS and WORKSHOPS
OCT	• ACTUAL ASSEMBLY OF CANSATS
NOV	• CULMINATION OF WORKSHOP
DEC	• EVALUATION

What will students learn or benefit?

- Instrumentation techniques
- Advanced Programming
- Electronics
- Major field of research or interest





- Future target jobs that would interest them as well as a gain for the research and development industry in the Philippines.

What are the major benefits?

- On a national scale, it would greatly benefit in different areas which address the immediate problems of the country. These areas include:

Advanced Education

Forestry

Disaster and Risk Management

Agriculture

Weather and Climate

THANK YOU!