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CLTP-11 EXPERIENCE

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hepta-sat training

HEPTA-Sat (Hands-on Education Program for Technical Advancement) is a hands-on study of small satellite design and engineering over several days of intensive practical lessons. HEPTA-Sat hand-on course puts it focus on establishing the knowledge of systems engineering by going through the whole process of system integration.

CLTP-11

cltp is a program on space education. It aims to learn the actual process in space development by going through the whole process of satellite system integration, using the HEPTA-Sat kit. It is a training program for researchers and educators and are expected to return the results of the training to their institutions to lead the space development.

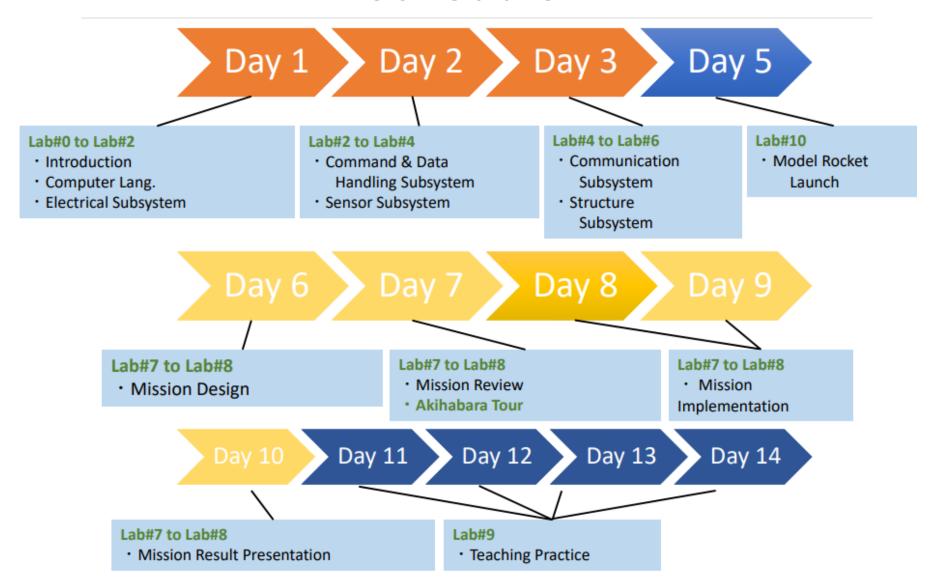
CLTP-11 Participants

• 20 participants from Colombia, Philippines, South Africa, India, Mexico, Malaysia, Mongolia, Kenya, Bangladesh, Nepal, Peru, Thailand and Kazakhstan





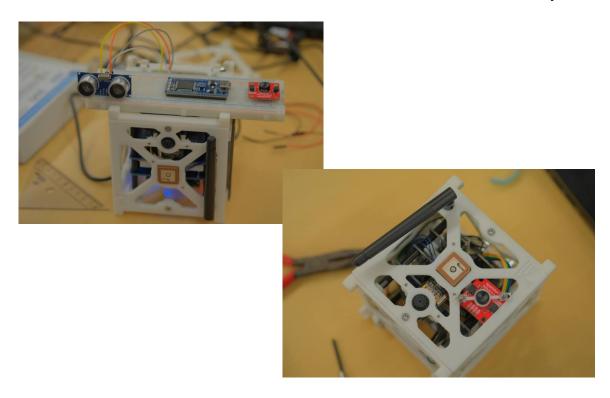
Schedule



HEPTA sat training experience



Mission presentation





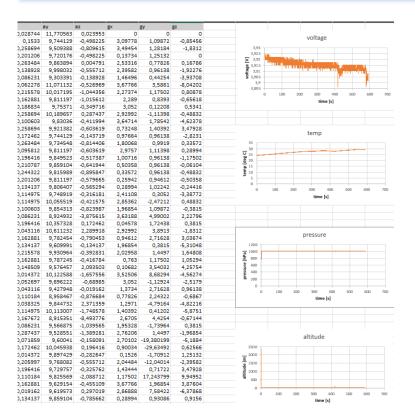
Test setup for ultrasonic sensor (breadboard model).

TeraTerm showing the distance measurements of the ultrasonic sensor.

Breadboard implementation of the ultrasonic sensor was tested first before satellite integration. Video shows the response of the sensor in obstacles at different distance.

Rocket Launch Experience

That day we launched the CanSat on a rocket, and through the receiving station we received the data shown in the figure.

















Teaching Practice

THANK YOU

Alisher Aden



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