

UNISEC activities in MONGOLIA

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Remote Sensing and Space Science Laboratory

The 3rd UNISEC-Global Meeting 3-5 July Tokyo Japan

UNISEC activities in Mongolia

Mongolia start UNISEC activity in February 2011 when Rei Kawashima san visited Mongolia.

CLTP programme



Capacity building and education programs for Can/Nano satellite training

- The researchers and students from National University of Mongolia is attending in the CanSat Leader Training Program (CLTP)

It is very good encouragement for Mongolians to develop Can/Nano sat in Mongolia



NATIONAL PROGRAMM

- ❖ Mongolian government was approved a long term national satellite program in 24 November 2012.
- ❖ The main objective of this program is to launch national communication and remote sensing satellites in the near future
 - ❖ To develop the space science and space engineering technology
 - ❖ To use and share satellites data for national commercial usage
 - ❖ To develop small/Nano satellite systems and use its advantages

NATIONAL PROGRAM

- ❖ To build human resources on space engineering
 - ❖ short and long term training
 - ❖ degree program
- ❖ To establish basic tools and laboratories
- ❖ To build cansat/ nanosat technology in Mongolia
- ❖ To develop the National/ international programs on training, degree programs, competition, workshops, international symposium and cooperation so on.

Education and Training

- National University of Mongolia organized CANSAT training
- 7 UNIVERSITIES



Space science related activities
Participating for CLTP in JAPAN (2011, 2012, 2013, 2014)

PhD students in Kyushu University
for United Nations/Japan

Long-term Fellowship Programme 2016 Post-graduate study on Nano-Satellite Technologies (PNST) (Kitakyushu, Japan)

LABORATORY OPENING CEREMONY



Minister of Mongolia given speech for cansat activity and laboratory opening





Team members



Trainer teacher
Begsuren.T



Team leader
Gantulga.M



Member
Davaadorj.B



Member
Garid.Z



Member
Ariunbold.T



CANSAT COMPETITION

2013 CANSAT
May 19 May 2013



<http://www.infomongolia.com/ct/ci/5830>

International Cansat competition, SPAIN, 2012



Cansat competition, Noshiro Space Event JAPAN, 2013



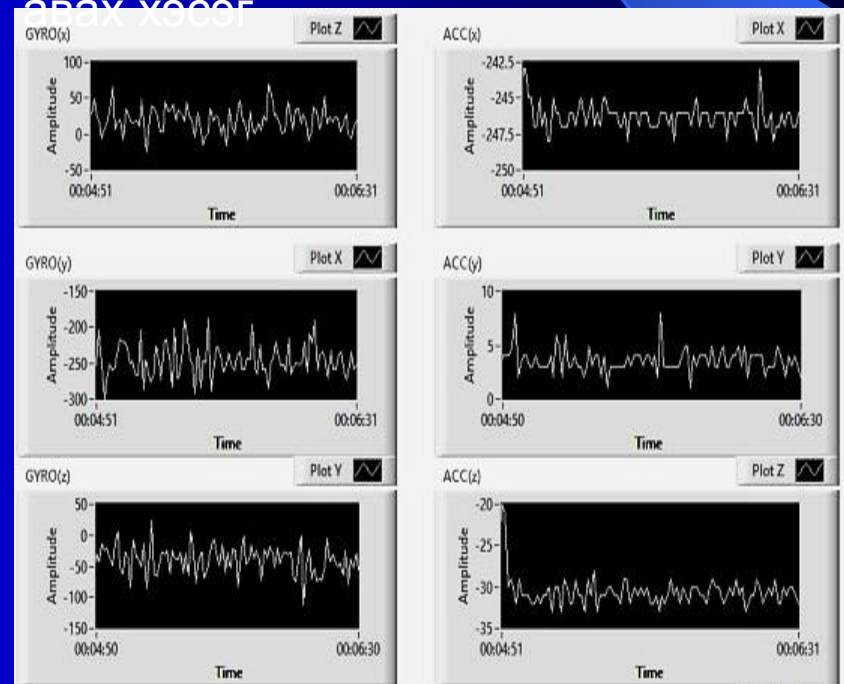
Mongolian University of
Science and Technology

National University
of Mongolia

Test activity



Газрын станц дээр мэдээлэл хүлээн
 авах хэсэг



CANSAT BALLOON TEST



Phonesat

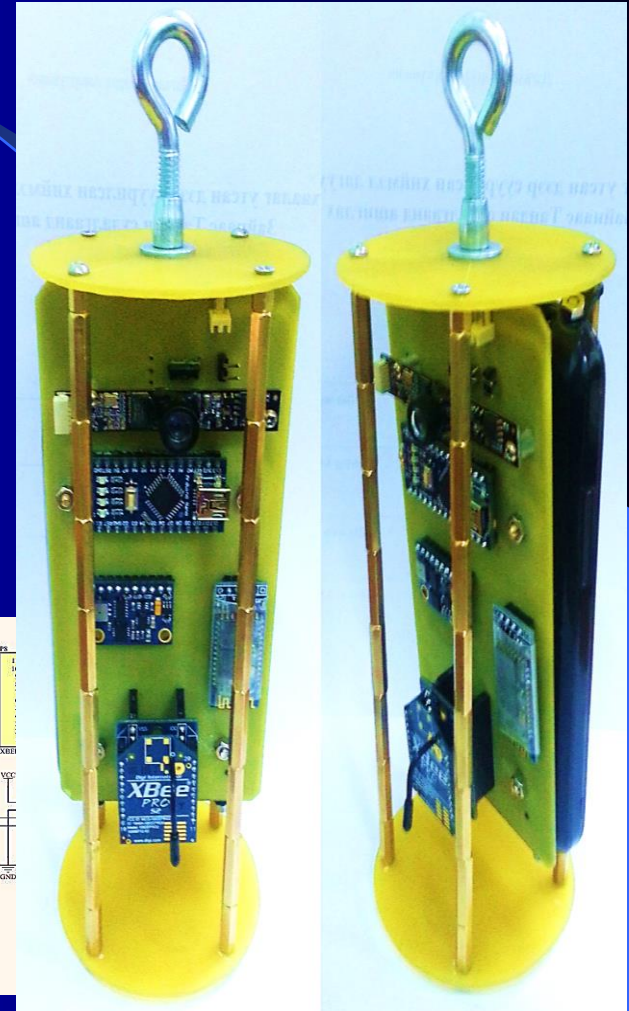
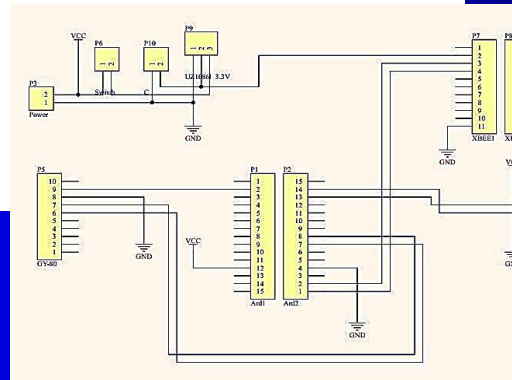
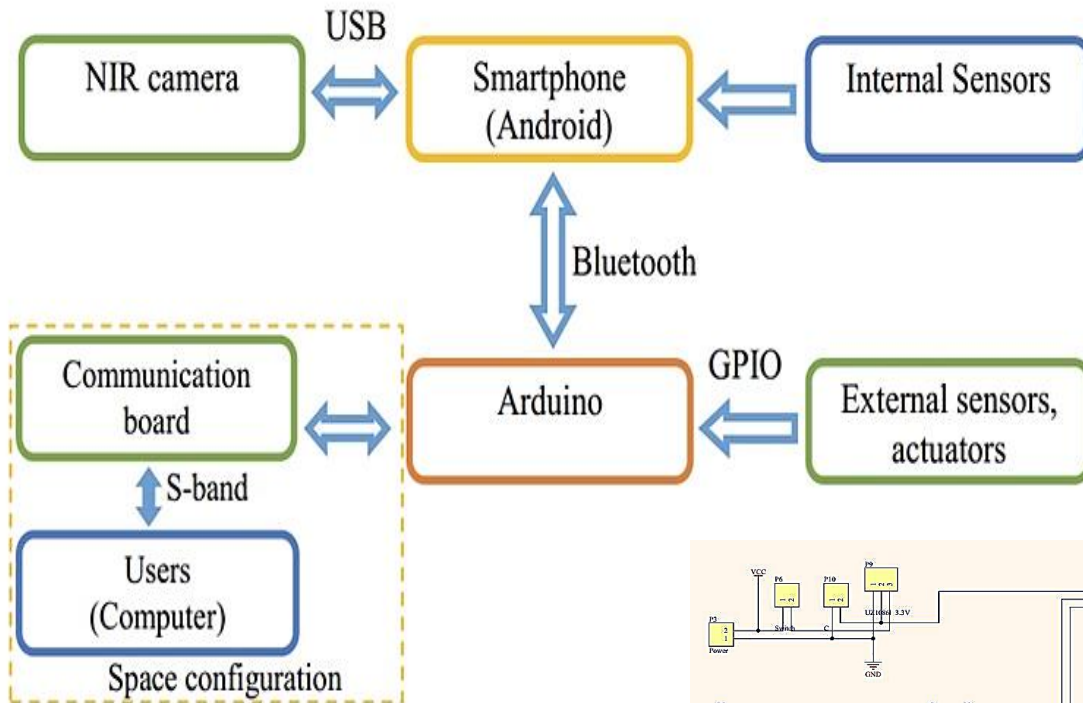
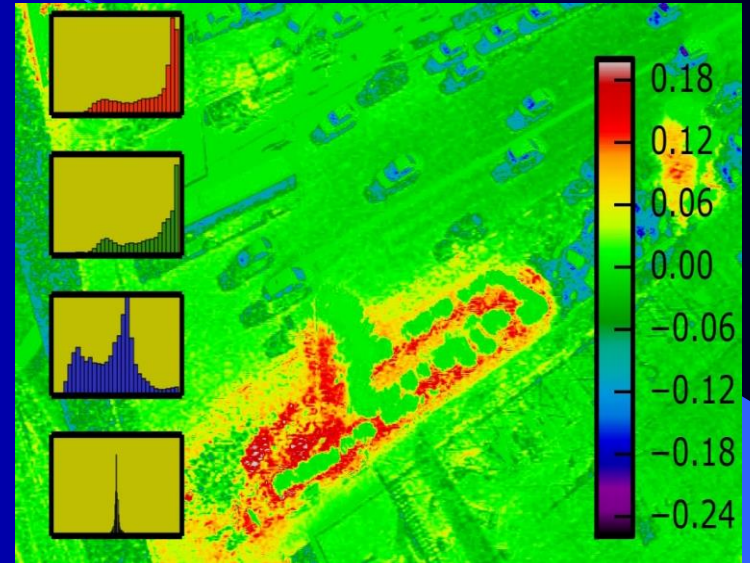
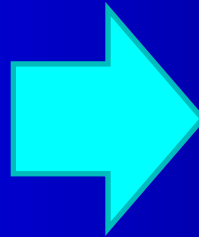


Image processing

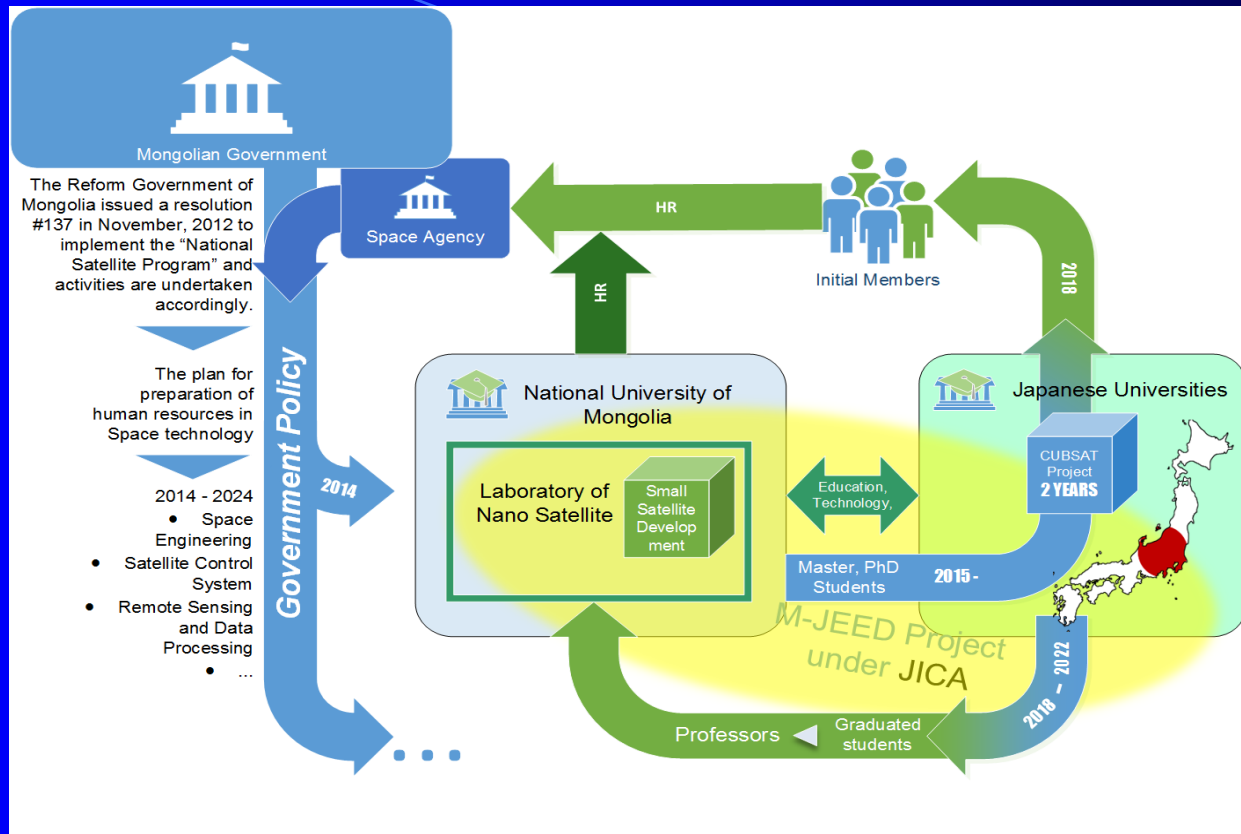


NRG

NDVI



Mongolia needs CubeSat



Mongolia Japan joint project: **RESEARCH PROFILE FOR SPACE ENGINEERING PROGRAM**

To make our first CubeSat collaborating with Japanese Universities and Institutions
Space engineering professionals and capacity building

Results and Discussion

- The Mongolian Government implementation plan of launching Small CanSat satellite is still of the early stage, most of the universities lack experience and need to have more specialists in the field for developing CubeSat satellite.
- We need international networking and Capacity building for CubeSat development in Mongolia.

Results and Discussion

For development Cubesat

Case studies in the field of
Small/Micro/Nano-satellite

Experiences and lessons learned from
UNISEC Japan and other countries

Mongolian satellite will be born from
UNISEC activities

Баярлалаа

Arigato

Thank you

