



## Raihana Shams Islam Antara

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School of Engineering,

Brac University

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## 8TH UNISEC-GLOBAL MEETING

ESTABLISHED IN

2014

MEMBER UNIVERSITIES

2

NUMBER OF POC

3

MISSION IDEA COORDINATOR

1





Prof. G.M. Tarekul Islam

BANGLADESH UNIVERSITY OF  
ENGINEERING AND TECHNOLOGY  
(BUET)



Raihana Shams Islam Antara

BRAC UNIVERSITY



Prof. Md. Khalilur Rhaman

BRAC UNIVERSITY

POINT OF CONTACT





ABDULLA HIL KAFI

BRAC UNIVERSITY

MISSION IDEA COORDINATOR

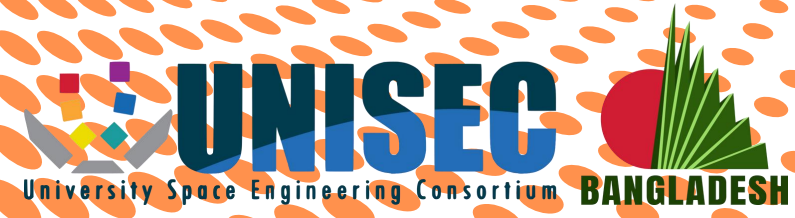
**WE ARE  
FOCUSING  
ON**



**CAPACITY BUILDING**

# OUTREACH





8TH UNISEC-GLOBAL MEETING



# SEMINAR



# WORKSHOP



# STUDENT ENGAGEMENT

# Preparing our workforce



EMPOWERING OUR YOUNG GENERATION



# CANSAT LEADERSHIP TRAINING PROGRAM GRADUATE

CLTP6



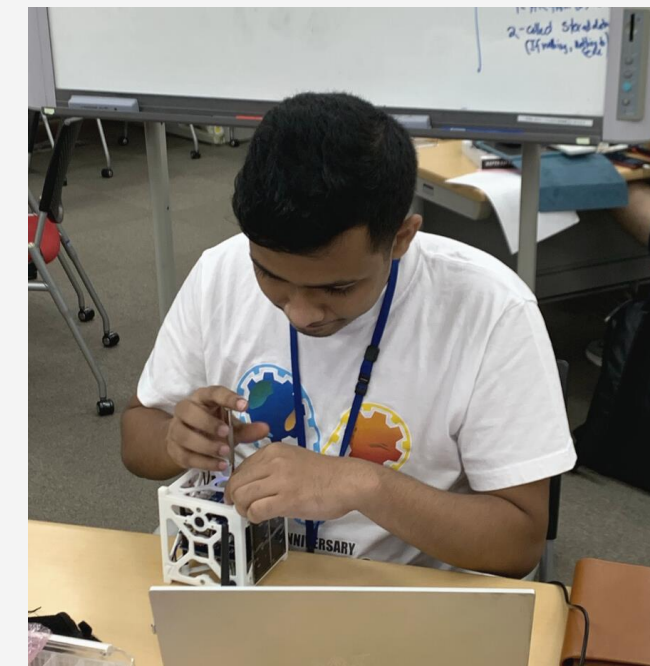
RAIHANA SHAMS ISLAM  
ANTARA

DESIGNED AND BUILT BANGLADESH'S FIRST SATELLITE

CURRENTLY WORKING AS AN EDUCATOR IN BANGLADESH

# CANSAT LEADERSHIP TRAINING PROGRAM GRADUATE

CLTP11



Mohammad Fahim Sultan Anoy

CURRENTLY PARTICIPATING IN REGIONAL ACTIVITIES  
AND DESIGNING TRAINING PROGRAM



We are running  
two  
competitions  
every year from  
2019 to till now



The banner features a dark blue background with a network of glowing blue lines and dots, resembling a satellite constellation. On the left, the text "SATELLITE EXPEDITION CONTEST" is prominently displayed in white, bold, sans-serif font. Above it, the "IEEE BRAC UNIVERSITY STUDENT BRANCH" logo is visible. To the right, the text "2nd NATIONAL CANSAT COMPETITION 2020" is shown in blue and white, with the Bengali word "আকাশ" (Akash) in blue script above it. The bottom section includes logos for "ORGANIZED BY: AEBS" and "LASSET", "PARTNERED WITH: UNISEC BANGLADESH", and "CAMPUS MEDIA PARTNER: be. bracu EXPRESS". The BRAC University logo is in the top right corner.

IEEE BRAC UNIVERSITY STUDENT BRANCH

আকাশ

2nd NATIONAL  
**CANSAT**  
COMPETITION  
2020

ORGANIZED BY:  
**AEBS**  
BRACU Student Branch Chapter

**LASSET**  
NASA TO SPACE

PARTNERED WITH:  
**UNISEC**  
University Space Engineering Consortium BANGLADESH

CAMPUS MEDIA PARTNER:  
**be. bracu**  
EXPRESS

BRAC UNIVERSITY  
Inspiring Excellence



# COMPETITION ON SATELLITE MISSION DESIGN



The banner features a dark blue background with a network of glowing blue lines and dots, resembling a satellite constellation. Two wireframe satellite models are positioned on the left and right sides. The central text 'SATELLITE EXPEDITION CONTEST' is in large, bold, white capital letters. Above the title, the logos for IEEE BRAC UNIVERSITY STUDENT BRANCH and BRAC UNIVERSITY are displayed. Below the title, the text 'Organized By' is followed by the logos for AESS (BRACU Student Branch Chapter) and LASSET (PORTAL TO SPACE). To the right, 'Sponsored By' is followed by the logo for WAKAT (বাংলাদেশ স্যাটেলাইট সোসাইটি). Further right, 'Partnered With' is followed by the UNISEC BANGLADESH logo.

**IEEE** | BRAC UNIVERSITY  
STUDENT BRANCH

BRAC  
UNIVERSITY  
Inspiring Excellence

## SATELLITE EXPEDITION CONTEST

Organized By

**AESS**  
BRACU Student Branch Chapter

**LASSET**  
PORTAL TO SPACE

Sponsored By

**WAKAT**

Partnered With

**UNISEC**  
University Space Engineering Consortium BANGLADESH

OPEN FOR ALL THE UNIVERSITIES OF BANGLADESH AND PROFESSIONALS



# COMPETITION ON CANSAT DESIGN



OPEN FOR ALL THE UNIVERSITIES, HIGH SCHOOLS OF BANGLADESH AND PROFESSIONALS





**SATELLITE EXPEDITION CONTEST**  
VIRTUAL WORKSHOP  
4<sup>th</sup> December 2020  
Platform: Meet

**Raihana Shams Islam Antara**  
Space System Engineer  
Research Associate at Laboratory of Space Systems Engineering & Technology (LaSSET), School of Engineering  
BRAC University, Dhaka.

**Abdulla Hil Kafi**  
Space System Engineer  
Research Associate at Laboratory of Space Systems Engineering & Technology (LaSSET), School of Engineering  
BRAC University, Dhaka.

Logos: IEEE BRAC UNIVERSITY STUDENT BRANCH, AESS, LASSET, BAKASH, be bracu EXPRESS, UNISEC BANGLADESH, UNISEC GLOBAL

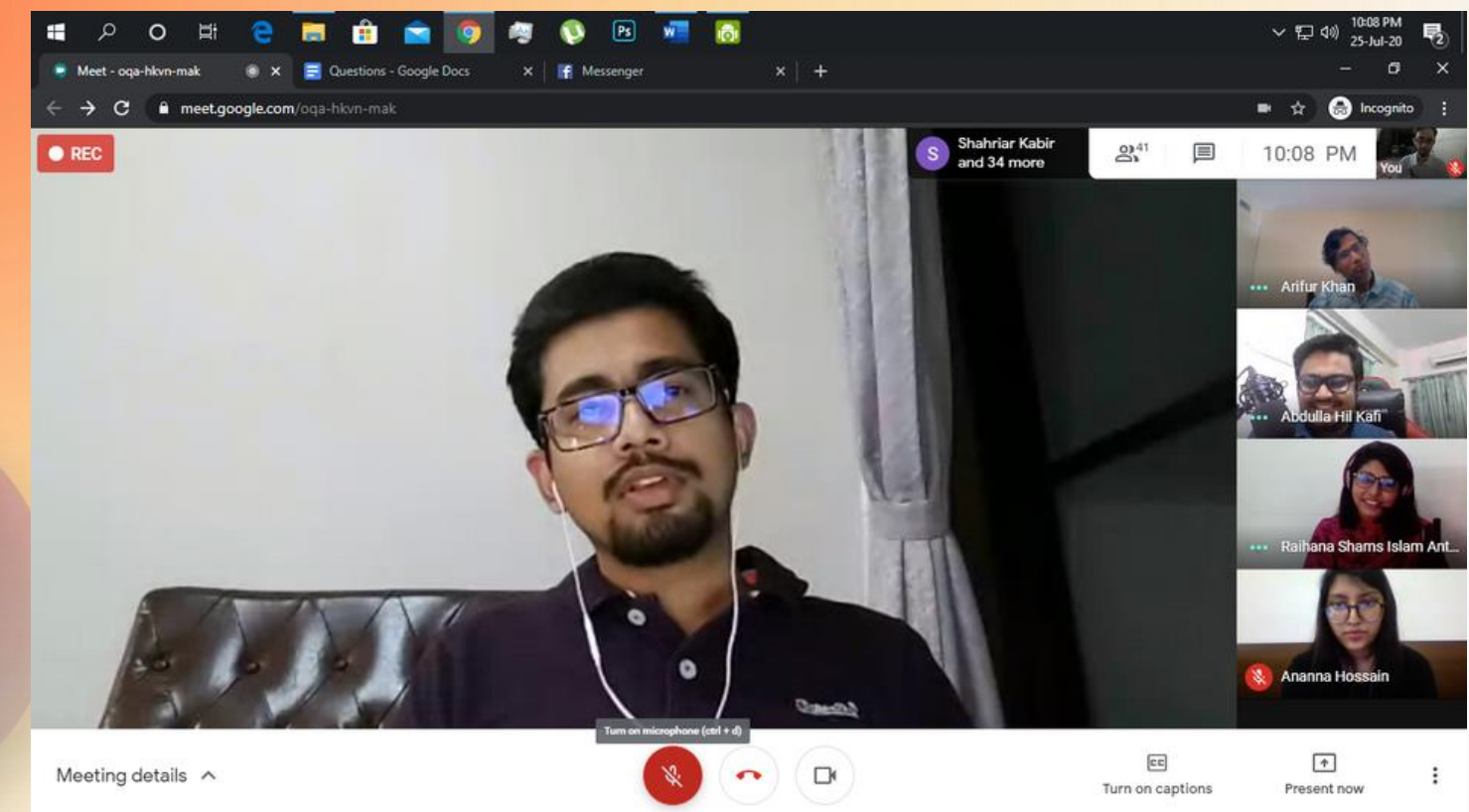


**2nd NATIONAL CANSAT COMPETITION 2020**  
VIRTUAL WORKSHOP  
5<sup>th</sup> December 2020  
Platform: Meet

**Raihana Shams Islam Antara**  
Space System Engineer  
Research Associate at Laboratory of Space Systems Engineering & Technology (LaSSET), School of Engineering  
BRAC University, Dhaka.

**Abdulla Hil Kafi**  
Space System Engineer  
Research Associate at Laboratory of Space Systems Engineering & Technology (LaSSET), School of Engineering  
BRAC University, Dhaka.

Logos: BRAC UNIVERSITY, IEEE BRAC UNIVERSITY STUDENT BRANCH, AESS, LASSET, BAKASH, be bracu EXPRESS, UNISEC BANGLADESH, UNISEC GLOBAL



**ONLINE WORKSHOP AND SEMINARS DURING PANDEMIC**



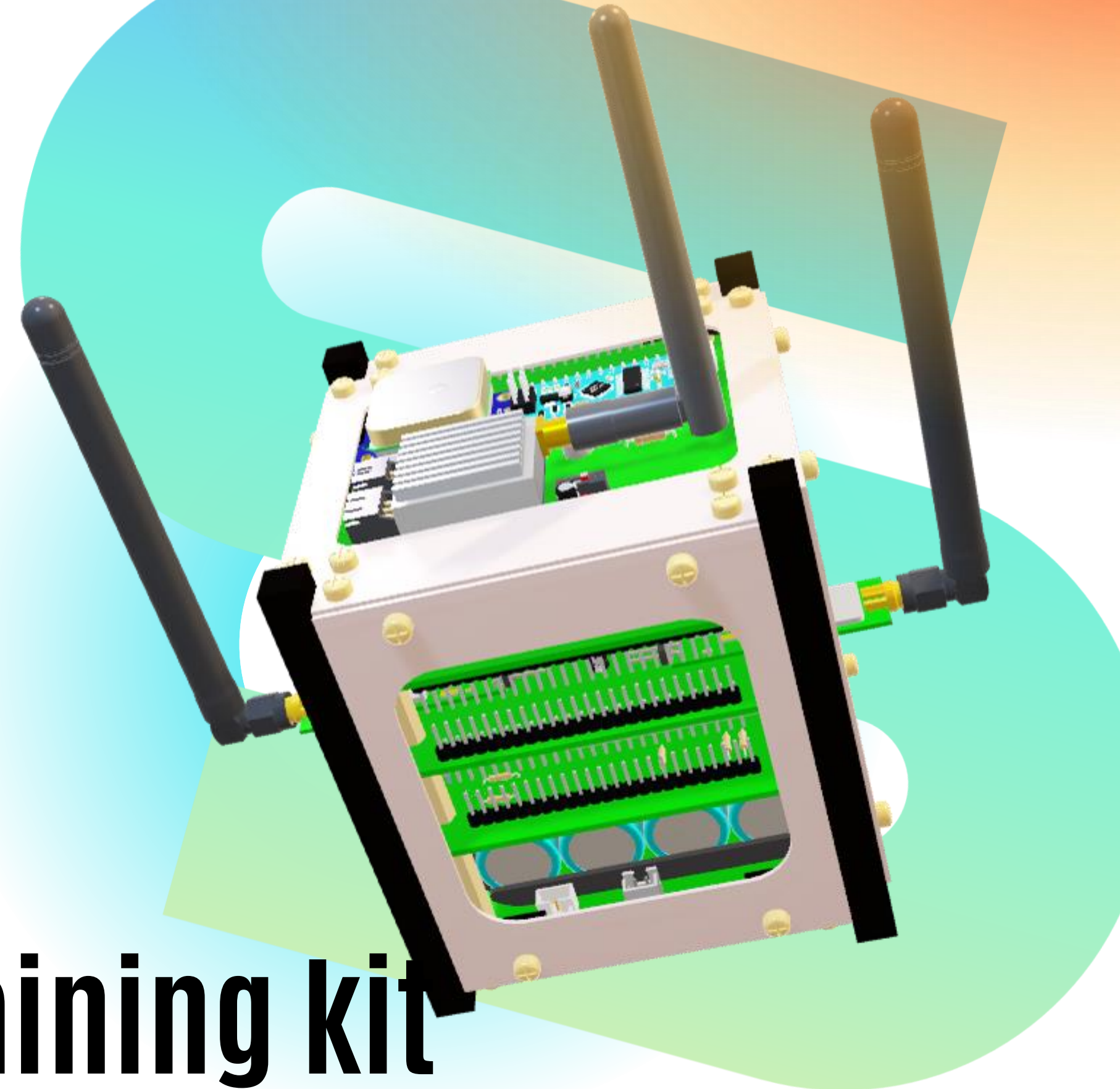
**SATELLITE EDUCATION AND LEARNING BY INTERACTIVE VIRTUAL REALITY GAME**

# PROVIDING HANDS ON TRAINING TO STUDENTS



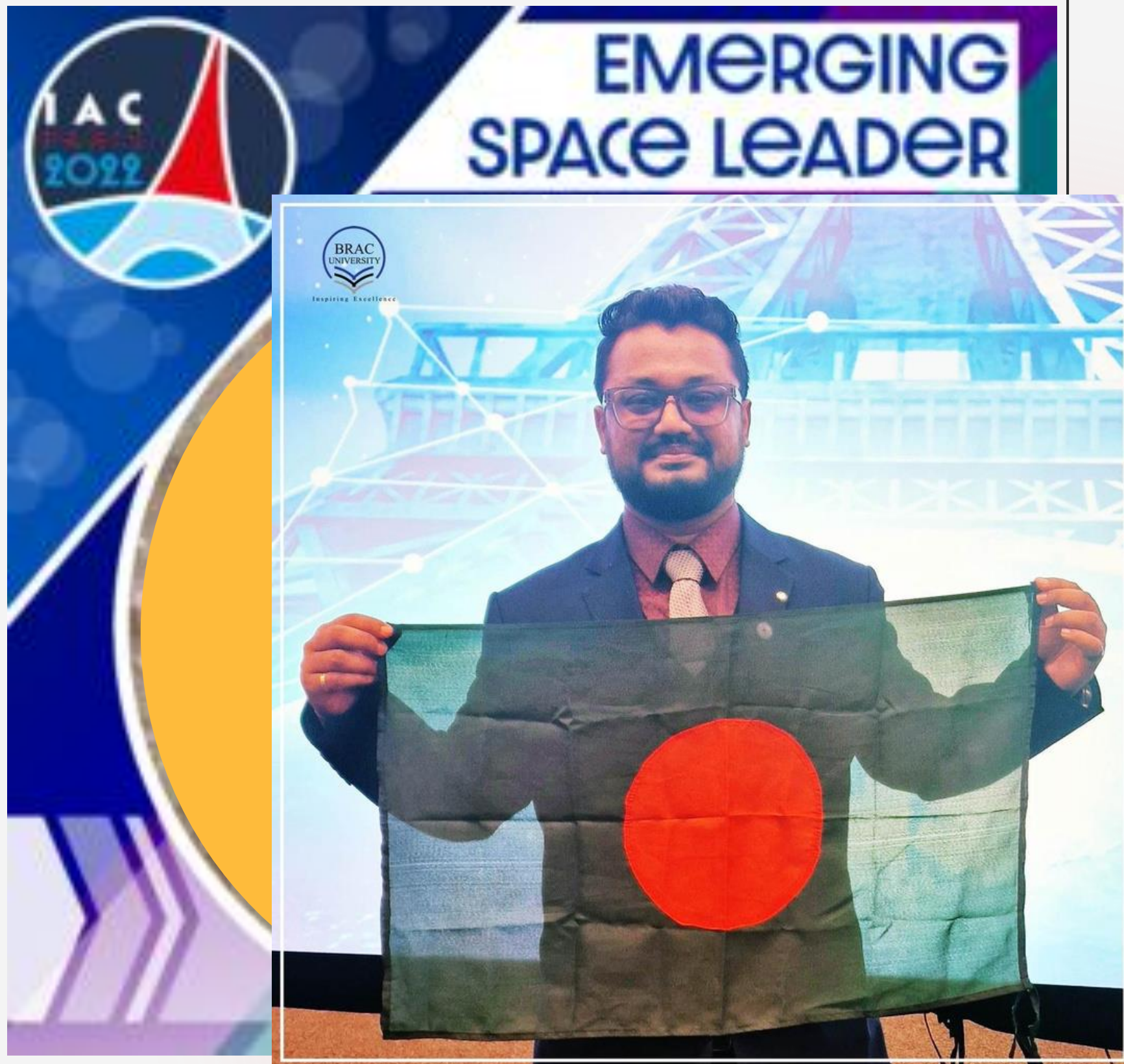


- **WITH LOCAL COMPONENTS**
- **MADE BY STUDENTS**
- **TRAINED 30 STUDENTS**



**satellite training kit**





**ABDULLA HIL KAFI**

**MIC-Coordinator of Bangladesh**  
has been recognized by the space  
advocacy body International  
Astronautical Federation (IAF) as  
one of the  
**2022 IAF Emerging Space  
Leaders.**



# UNISEC-Bangladesh

## got selected for the Local Chapter Empowerment program

**THANKS TO**  
**METI, AOTS,**  
**UNISEC-JAPAN,**  
**UNISEC-GLOBAL**

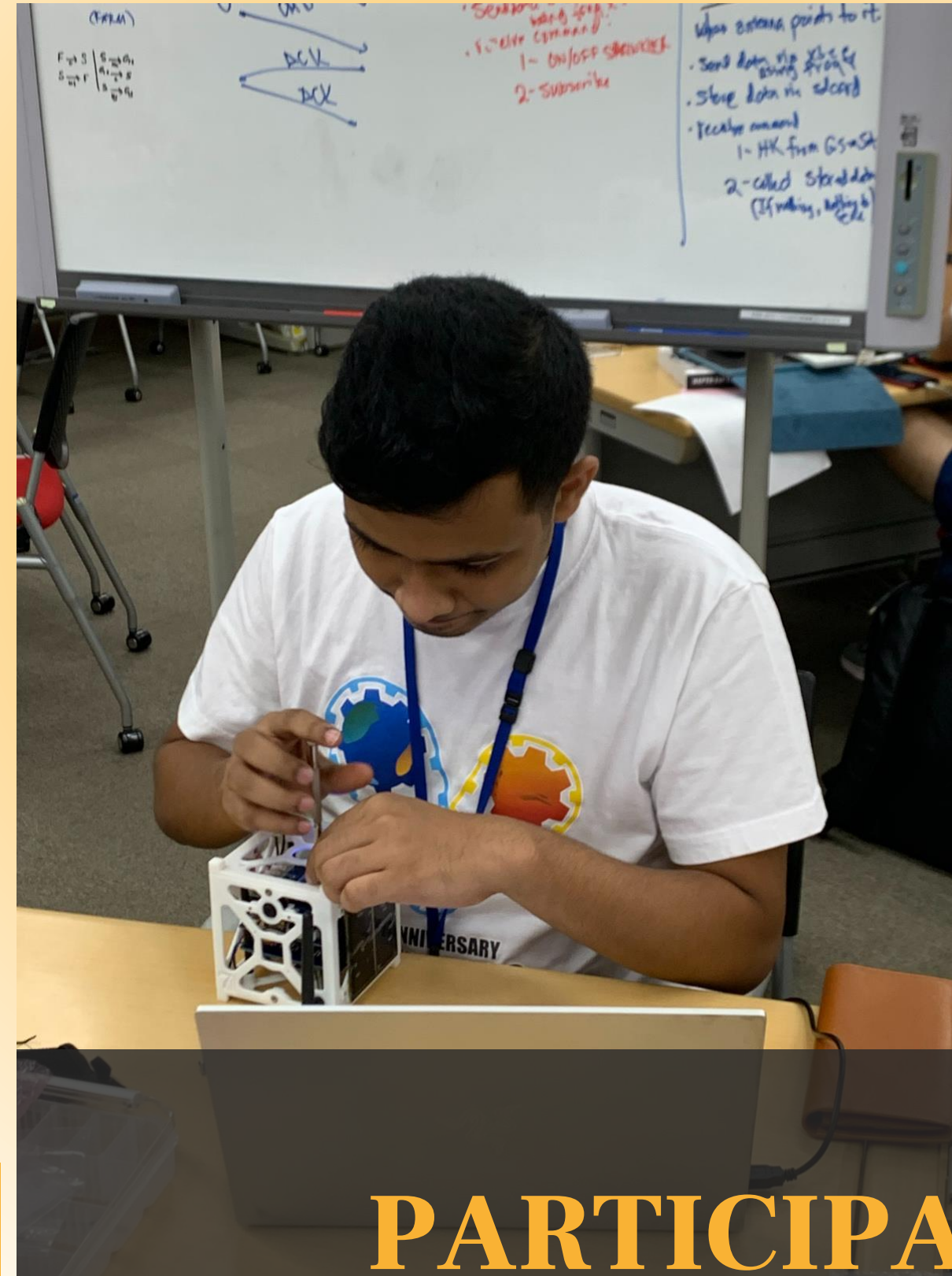




LOCAL CHAPTER  
EMPOWERMENT

WITH FINANCIAL  
SUPPORT FROM AOTS

THANKS TO AOTS



PARTICIPATION IN  
CLTP11



# Thank you!