

STEMX365 PLATFORM

Astrobee Working Group
June 1st, 2023

Mizanul Hoo Chowdhury
STEMX365, MIT, MIT LL



RECENT ACTIVITIES

STEMX365 is facilitating the fourth KRPC event for Bangladesh, with a focus on providing improved training and facilities for participating teams.



STEMX365

JAXA

Partner: BDN

4TH KIBO RPC
TEAM REGISTRATION
NOW OPEN

Deadline: 11:59pm, 20th April, 2023
Link: tinyurl.com/KRPC4RE
Registration Free

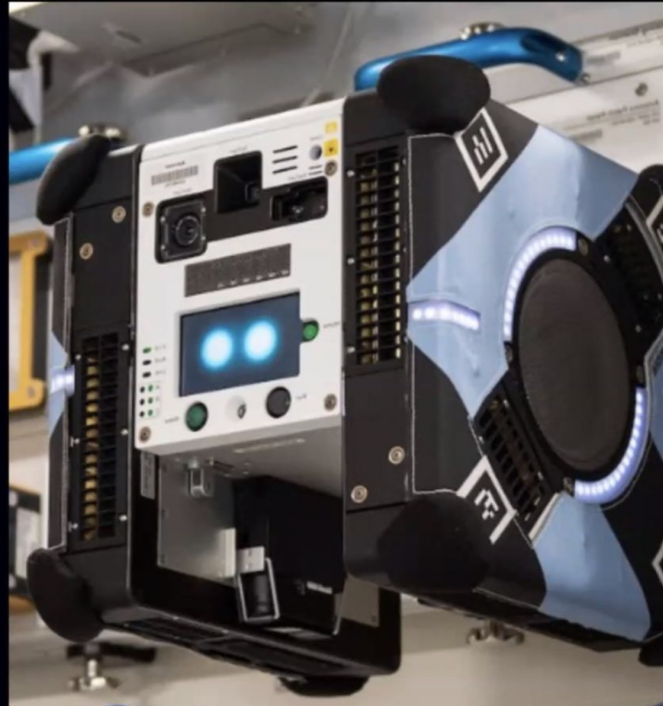
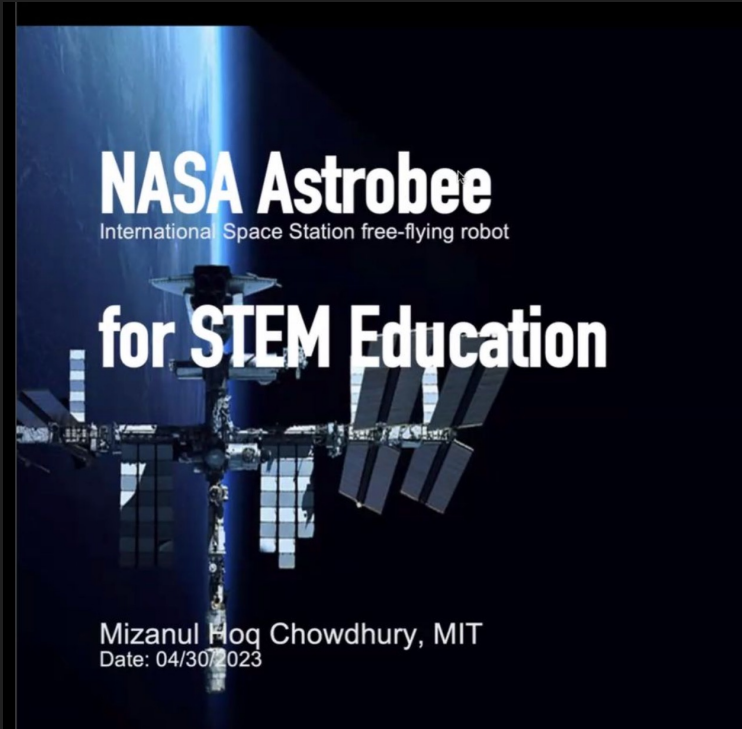
Training Program Included

www.stemx365.org

Deadline_Extended!

- **Education:**
 - Student at any institute in Bangladesh
- **Qualification:**
 - Knowledge in Java, Mathematics, Problem solving
- **Team members**
 - Minimum 3 and Maximum 5

FIRST OUTREACH MEETING



72 TEAMS JOINED FROM DIFFERENT UNIVERSITIES AND ORGANIZATIONS

- 1.Anirban71
- 2.Team Zero
- 3.BSMRAAU NIRVEEK
- 4.Codemates
- 5.Team Raider
- 6.QC_SUST
- 7.NSU ACERS
- 8.The iron soldier
- 9.SUST Transformers
10. Bleep_Bloop
11. Team Universe
12. Crack Platoon 71
13. Team Outliers
14. Mind Install Insider's 2.0
15. Team Probaho
- 16.9U
- 17.BC-TESLA
- 18.Team π -rates
- 19.Mongol Tori ALPHA
- 20.Md. Adnan Abdullah Sadi

- 21.RoboFST
- 22.MIE Express
- 23.IUT Altair
- 24.BufferOverflow
- 25.Epsilon
- 26.NSU SuperNova
- 27.Team Omega
- 28.Icarus
- 29.Science Hunter
- 30.Now In Orbit
- 31.NSU_Inception_Beta 2.0
- 32.NAAM
- 33.Light Years Away
- 34.MEC_Invincible
- 35.The Errors
- 36.Solversdotexe
- 37.Robo Squad
- 38.Mockingbirds
- 39.AIUB_AKRM-VII
- 40.ZeroAndOne

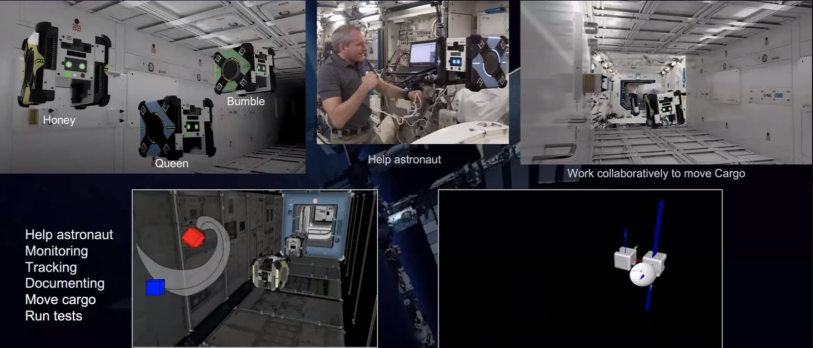
- 41.SUST_RoboQuintet
- 42.Team_glorY
- 43.RoboCoders
- 44.Cosmic Curator
- 45.Bengal Tigers
- 46.BSMRAAU ASTROBEES
- 47.Code zero
- 48.Team Null
- 49.CheckMate
- 50.Cosmo-cker
- 51.Strikers
- 52.Invictus
- 53.BUET BEECRYPT
- 54.Logic Lemurs
- 55.Team Debug Clan
- 56.CodeCosmos
- 57.Orion
- 58.Team Paragon
- 59.Void
- 60.Zero

- 61.Brac Builders
- 62.IRC Carbon
- 63.Paragon
- 64.EWU_Inadequate
- 65.Code Assassin
- 66.Team098
- 67.MIST_S.T.A.R.S
- 68.DU_Featherless_bipeds
- 69.Team Matrix
- 70.NSU_Inception_AlphaX
- 71.NSU_Inception_Gamma
- 72.QubitX

FIRST TEAM MEETING

Recording You are viewing Mizanul H Chowdhury's screen View Options View

Astrobee - What is it?



Honey Bumble Queen

Help astronaut

Work collaboratively to move Cargo

Help astronaut
Monitoring
Tracking
Documenting
Move cargo
Run tests

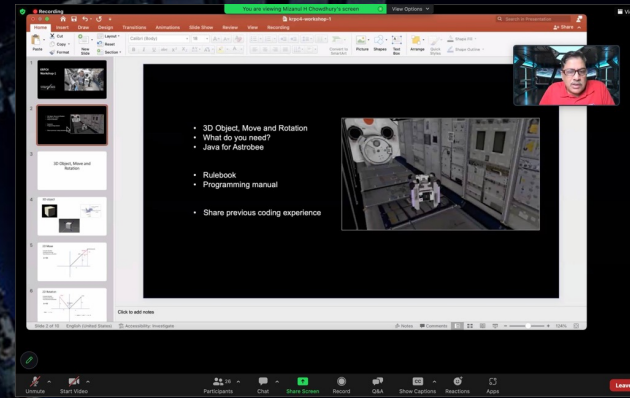
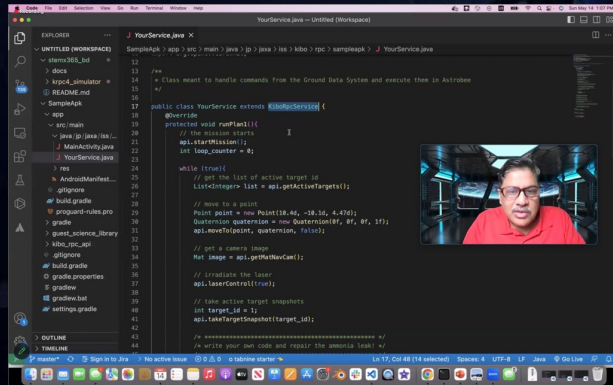
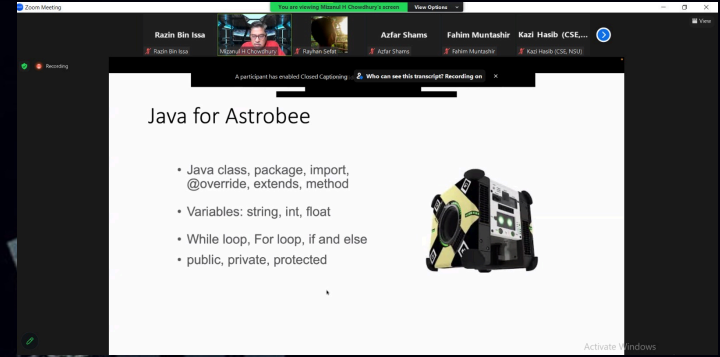
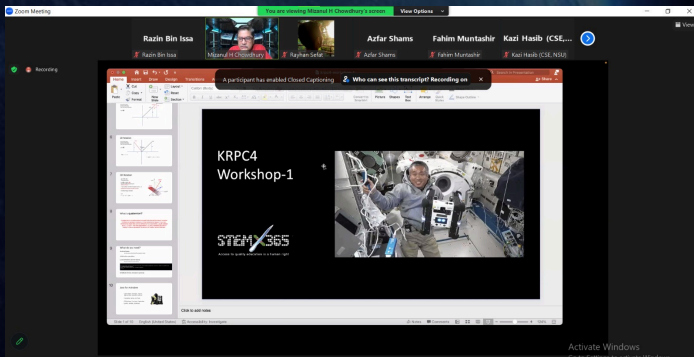
Work autonomously or via remote control

Test new concept

Mizanul H Chowdhury

Unmute Start Video Security Participants Chat Share Screen Record Q&A Show Captions Breakout Rooms Reactions Apps More Leave

FIRST WORKSHOP – MAY 14



WORKSHOP — EVERY SUNDAY

WORKSHOP 2 MAY 21

Recording

Shahariar Ifti	Amirul Islam	Farzana Akter Lima	shourv	🤔
Md. Fazle Rabbi	BSMRAAU AE-02	Nusrat Jahan Shifa	Irfanul Karim	Nahian Ahnaf
Nusrat Jahan	9u Akib ashaq	Tanvir	Jolok (Aero-02, 210140...	Rahul Dev Sharma
Jasmin's iPhone	Rasel Khan	Rakib Hasan	Tanjim Mahmud Tuhin	Sabbir Hasan Alex
21203039 Usama Aziz	Nazmus Sakib Rajan	1703044 Sowmik Sarker	Ayan	Forhad Hossain

Unmute Stop Video Security Participants Chat Share Screen Record Q&A Show Captions Breakout Rooms Reactions Apps More Leave

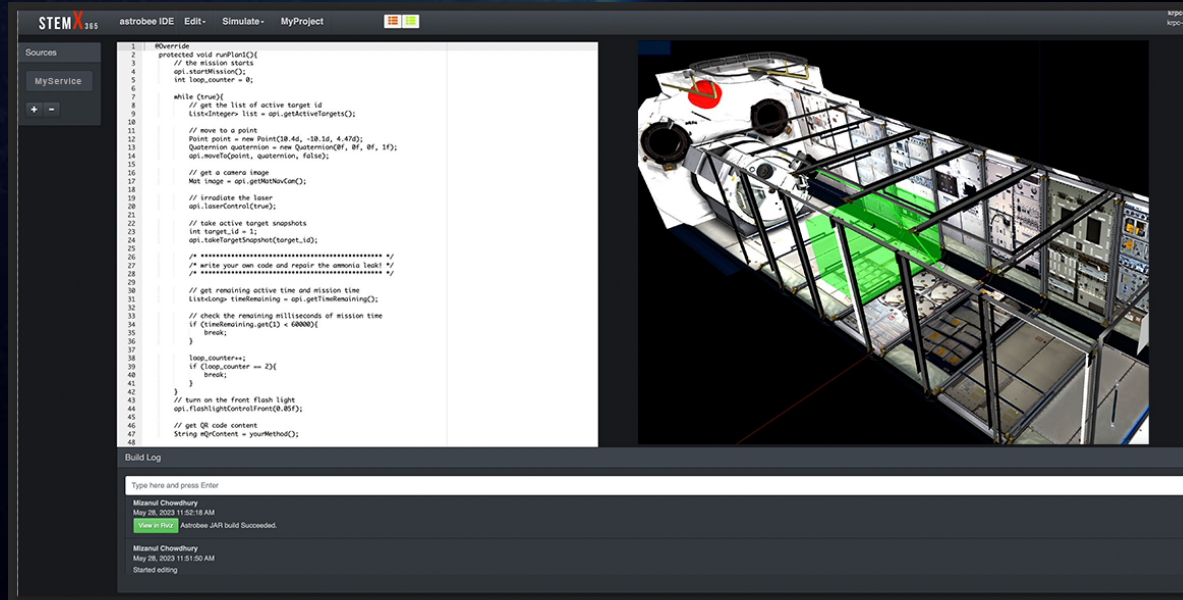
WORKSHOP 3 MAY 28

Recording

Crack Platoon 71	Shanzita Siddiqua	Rajur BSMRAAU NIRVEK	Tahsin Hossain	Mueed
ISHAN AHMAD	Promit Sarker	Muhammed Humam Ho...	Md. Tashrif	Farzana Rahman Supti
Iftexhar Ahmed	Shahariar Ifti	Amirul Islam	Farzana Akter Lima	shourv
🤔	Md. Fazle Rabbi	BSMRAAU AE-02	Nusrat Jahan Shifa	Irfanul Karim
Nahian Ahnaf	Nusrat Jahan	9u Akib ashaq	Tanvir	Jolok (Aero-02, 210140...

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STUDENTS PRACTICE CODE IN STEMX365 ASTROBEE IDE



Students can practice coding and 3D visualization in the Stemx365 IDE, which eliminates the need for them to spend extra time setting up their development environment and expensive hardware requirements.

COLLABORATION



STEMX365 is partnering with MIT Zero Robotics to offer technical assistance for the 2023 Middle School Summer Program utilizing the NASA Astrobee robot.

SPACE-TEAMS



STEMX365 has partnered with SPACE-TEAMS, an organization led by astronaut Greg Chamitoff, to offer students in underserved communities access to programs focused on orbital mechanics and space missions.

MORE COLLABORATION

INDONESIAN PRIME MINISTER COLLABORATES WITH STEMX365



Discussed STEM Education for Indonesia

Students from Indonesia visit MIT and attend STEMX365's skill building programming course



TUNISIA+ NSU



COSTA RICA + USTC

WHAT IS NEXT?

- IMPROVE THE PLATFORM
- MORE ACCESSIBLE AND EQUITABLE.

Looking for funding
and
more collaboration

A photograph of the International Space Station (ISS) in orbit above Earth. The station's complex structure, including multiple solar panel arrays and modules, is clearly visible against the dark background of space. The Earth's blue and white horizon is visible in the upper left corner.

Interested in contributing and learning more? Please visit our website
<https://stemx365.org>

THANK YOU