

SPACE CONNECT:

Student initiative Project for Space Education
in rural area



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SAINS
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BACKGROUND

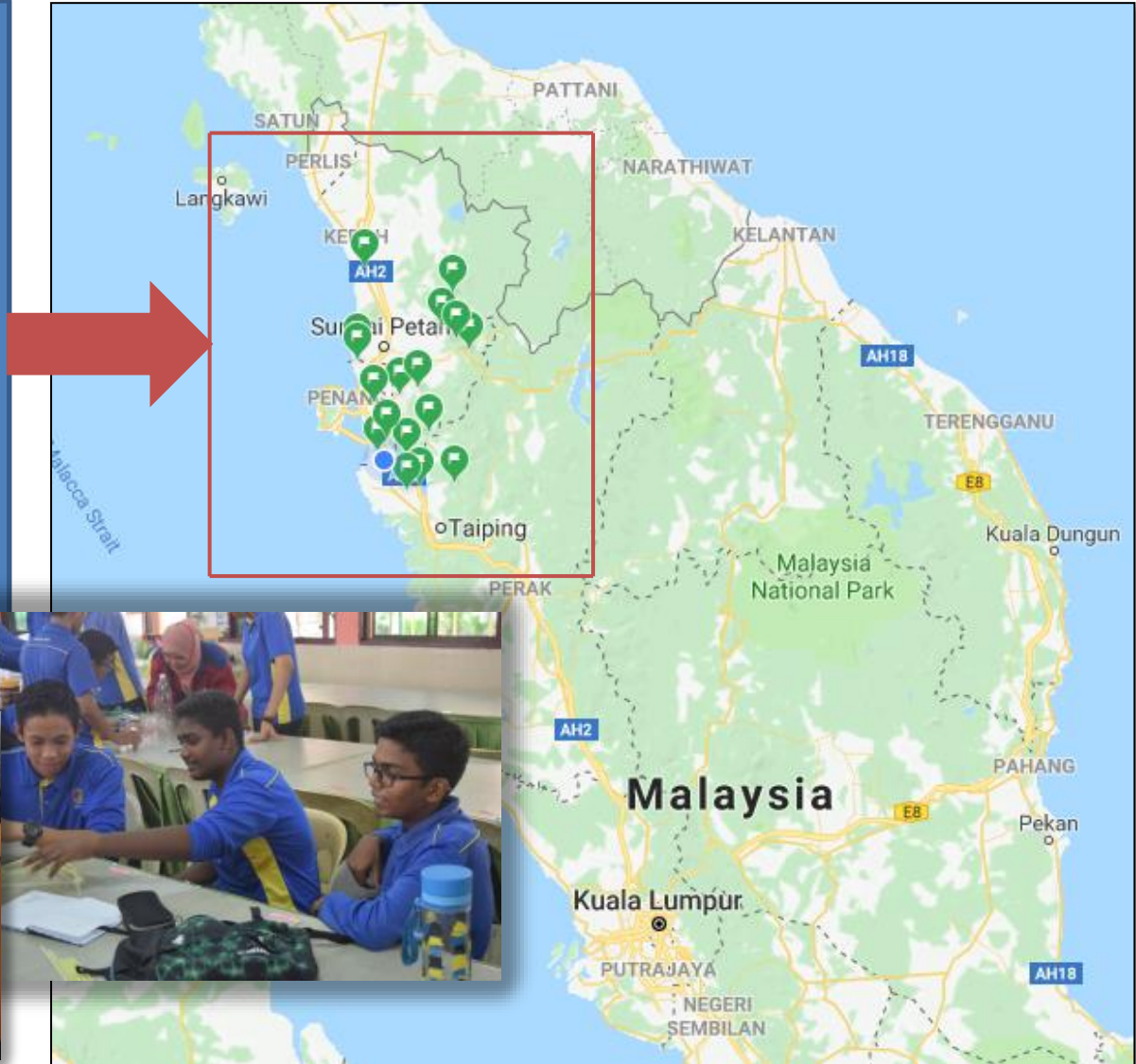
**An educational initiative by students of
School of Aerospace Engineering and Space System Lab of
Universiti Sains Malaysia**



- ✓ Bring STEM activities to underprivileged students
- ✓ Space education and awareness
- ✓ Community Engagement for USM student

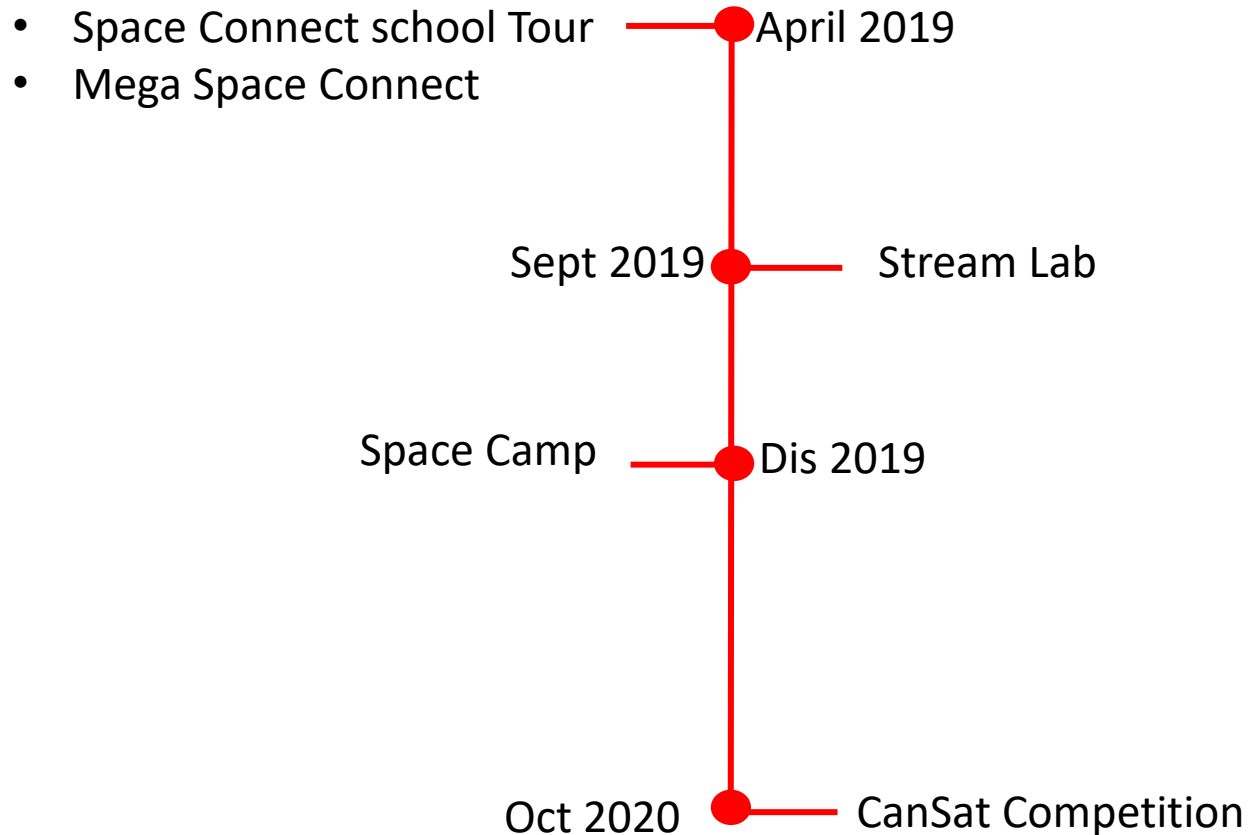
TARGET PARTICIPANT

- ☐ Rural Secondary School in Northern Region of Malaysia – Perak, Penang, Kedah
- ☐ Underprivileged kids - orphanage
- ☐ Community of rural area in Northern Region





Timeline Space Activities 2019-2020



A student in a pink shirt and yellow pants is operating a water rocket launcher on a grassy field. A large plume of water is being launched into the air. In the background, a group of students in blue uniforms are sitting on the grass, and a building with blue pillars is visible. Palm trees are also present in the background.

SPACE CONNECT 2019

A stylized, high-contrast image of a classroom. In the foreground, several students are seated at desks, viewed from behind. They are wearing dark clothing. In the background, a teacher stands near a large blackboard, holding a book or tablet. The classroom has large windows on the left and a decorative border of circular patterns along the top wall. The overall style is graphic and artistic, with a focus on shapes and light.

SCHOOL TOUR ACTIVITIES

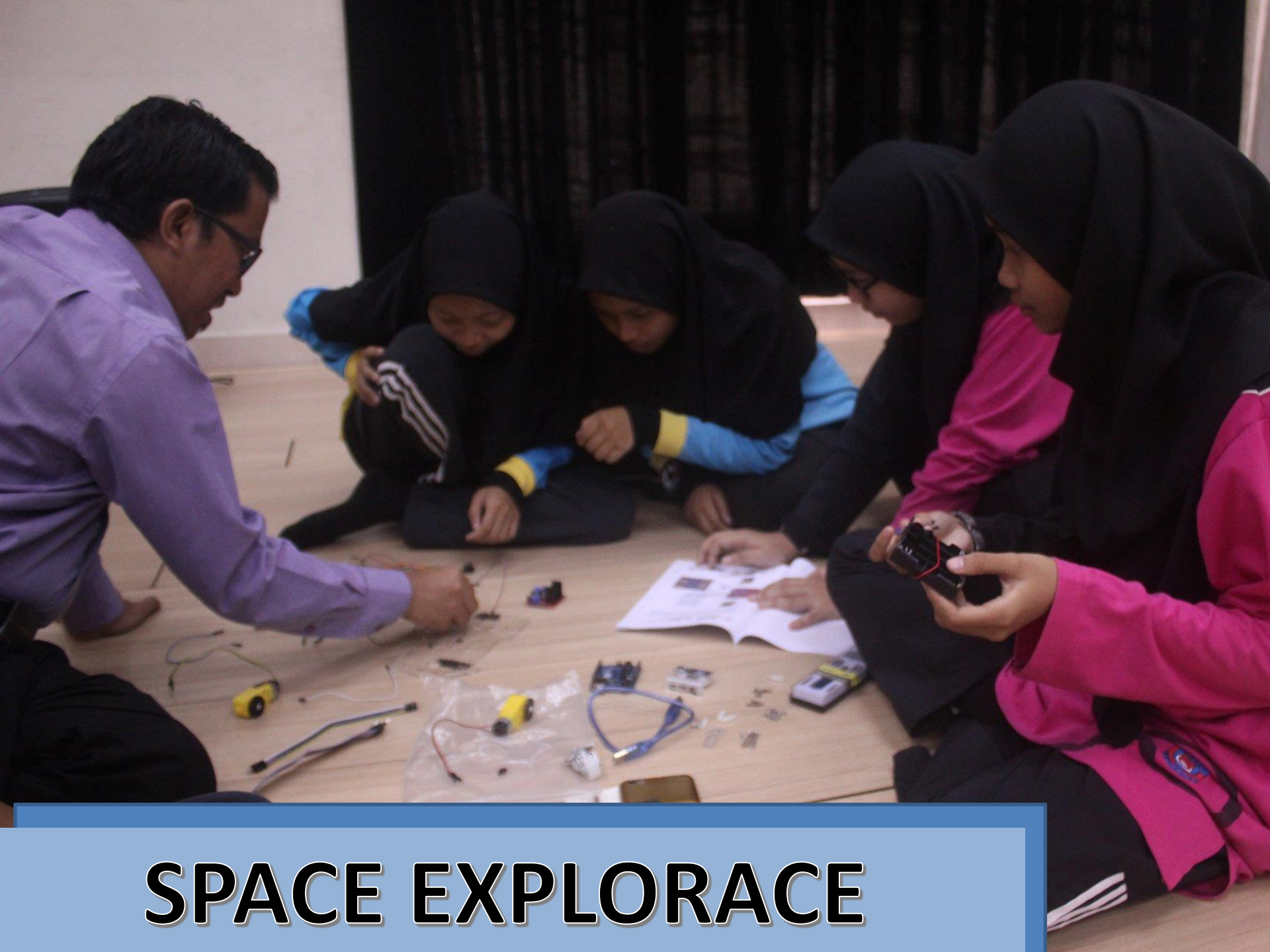


8 SCHOOLS WITH
300 STUDENTS





Water Rocket Launch



SPACE EXPLORACE



MEGA SPACE CONNECT

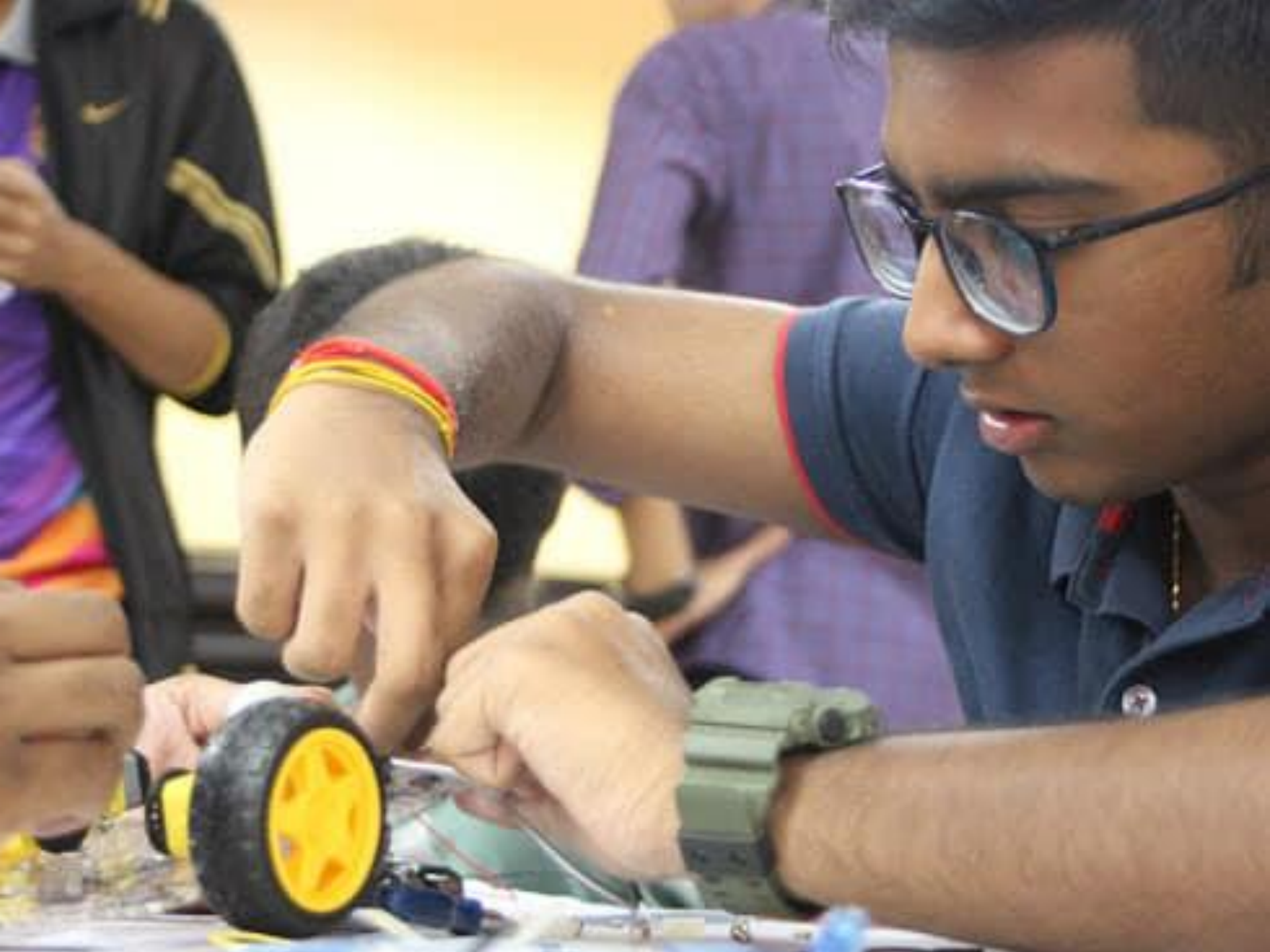




LEARN ASTRONOMY
USING AR



PROGRAMING A ROVER



Sun Observation









How student manage to initiate a program?

- Need to be trained – USM have ‘space crew’ club, develop module
- Exposure to space activities
- Motivation! Space education not spread enough in Malaysia
- University/faculty support
- Competition
- Funding! - USM policy
- Senior-Junior mentoring

Output

- Increased student's communication skill
- Exposed student to Project Management
- Leadership – The leader for this project has won a leadership award in university level



Future Plans

- **Provide a platform to nurture interest in Space Technology** through space challenges among high school students age 15 to 18
- **Collaborate with other parties/space association** to broaden the space education in Malaysia
- **Provide a window** for the children of Malaysia **to engage with the foreign students** via space programmes

Thank you Q&A

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