She Speaks: Her Journey in Science & Technology

Global voices, local inspiration.

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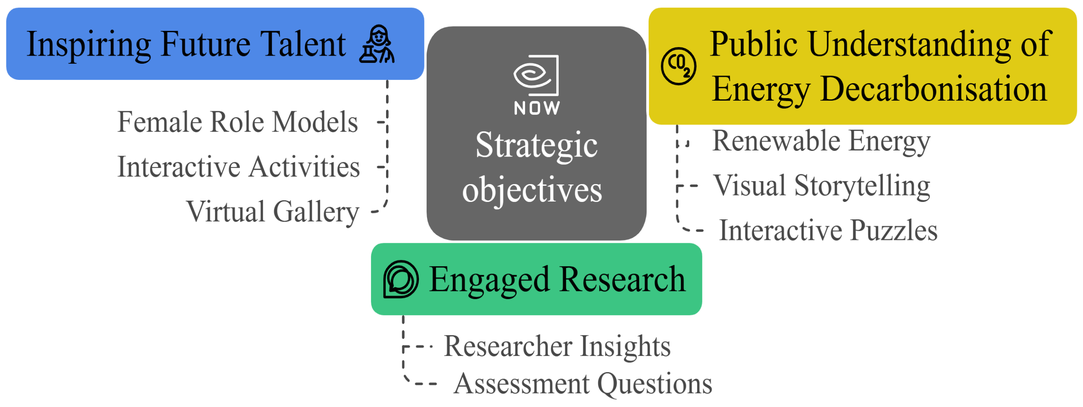
- Women's contributions in STEM have long been overlooked, but the narrative is changing.
- Despite progress, gender disparities—particularly in leadership and pay—remain. Encouragingly, more women are making impactful contributions and challenging stereotypes, while institutions begin to prioritise diversity[1].
- This project seeks to advance diversity in STEM by showcasing the stories of NexSys female researchers through engaging events.

Strategic objectives of the Project



Methodology

The sessions are planned based on Jeremy Harmer's teaching method, known as Engagement, Study, Activation (**ESA**) [2].

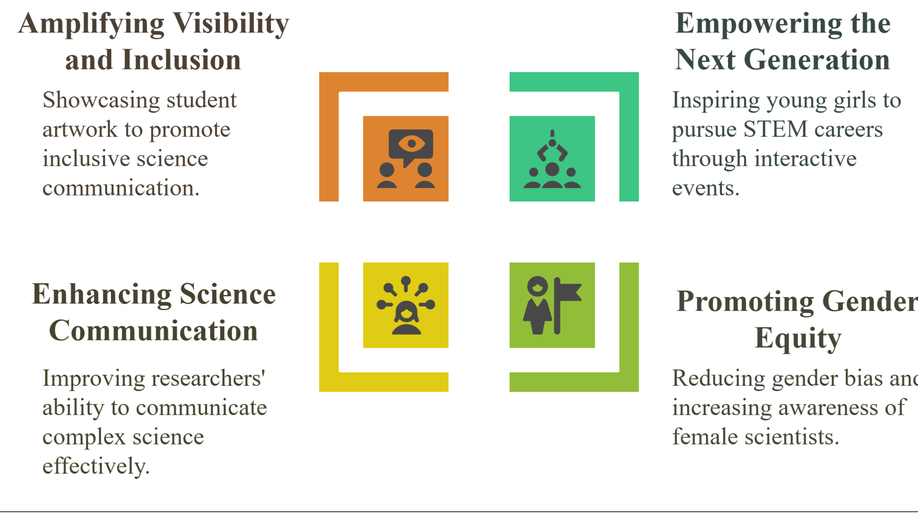
- **E**: Group activities using images and keywords to spark curiosity and teamwork.
- **S**: Sharing STEM journey using stories, visuals, and questions to engage students.
- **A**: Expressing learning through visual reflections.

Evaluation

Data Gathering Methods will be applied through pre- and post-event surveys for both the speakers and the students.

The students' Feedback Surveys:
Pre-Event: Views on gender and STEM.
•Post-Event: Name 3 women in STEM.
The researchers' Feedback Surveys:
•Pre-Event: Rate confidence in explaining research to non-experts.
•Post-Event: Reflect on communication and lessons learned.

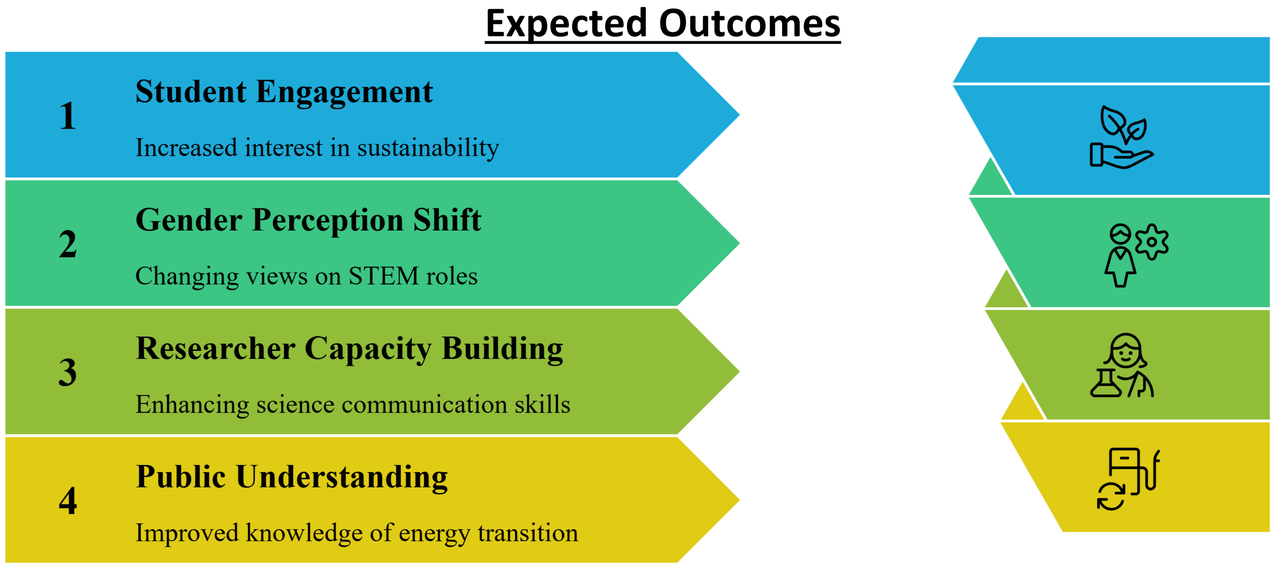
Impacts of the Project



Embedding Equality, Diversity, and Inclusion in Practice

- Highlights female researchers to address gender gaps.
- Inspires young girls with relatable role models.
- Features NexSys speakers from 33 different nationalities.
- Includes diverse voices, non-English speakers, and personal cultural stories to build global awareness.
- Uses straightforward, engaging, non-technical content.
- Offers interactive activities to accommodate diverse learning styles.
- Showcases student artwork in a virtual gallery to amplify diverse perspectives.

Expected Outcomes



References

1. Bernhard, S. & Leicht-Scholten, C., 2024. Gendering and transforming engineering education: A philosophical perspective on the gendered limits of choice. In: Questioning Gender Politics. 1st ed. London: Routledge, p.14.
2. Nainggolan, R.A., Purba, B. and Silalahi, T.F., 2024. The use of a guessing game to improve students' speaking skills in grade VIII at SMP Negeri 12 Pematang Siantar.