Science Hack 2018 – Final Presentation
Team 6 – ITK Engineering

MagicStix

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MagicStix - Project

[Diagram showing sticks, Bluetooth symbol, and a smartphone]
MagicStix - Problems

- Seeeduino Modules
- Communication between Android and Arduino
- Bluetooth BLE in Android!
- Time

Bluetooth 4.0
Low Energy

Science Hack 2018 - Team 6 - MagicStix
MagicStix - Results

- Low energy consumption (BLE)
- Four sounds (Kick, Snare, Hat, Toms)
- Hit animation
- Low latency
- Intensity changes volume
MagicStix - ToDo

• Adding more drums

• Second drumstick (IMU module)

• Further latency reduction

• Accuracy improvements

• Vibration feedback
Thank you for your attention!

Question time