Photos - Winter 2024

Version 5

The following electronics, computer engineering, and electromechanical automation projects were shown at the SEMET Technical Project Showcase on Thursday, April 18, 2024.

Congratulations to our overall Showcase winners!

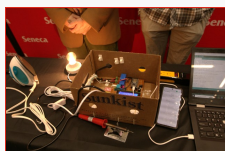**Best in Class**: Andres, Dairyan, Matt, Breej, and Andrea.

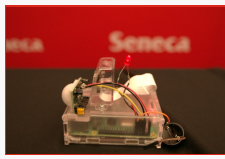**Best in Showcase**: Andres and Matt.

TPJ452: EEN Program

R01. IoT Smart Energy Meter - Chin & NsikakAbasi

R02. Motion Alert Monitoring System - Qiang & Yu

R03. ESP32-Based Driver Safety System with Enhanced Features - Smriti & Sandhya (*absent*)
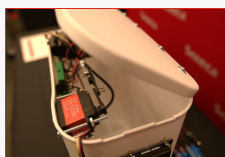
R04. Intelligent Parking Information System with ESP32 - Kent & Patrick

R05. Numberpad and Facial Recognition Door Lock - Andrea & Breej

R06. Touchless Can with IoT - Evan & Daniel

R07. IoT Indoor Air Quality Monitoring Device - Nabeel

TPJ655: Joint EET & ECT Programs

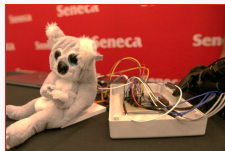## H01. Smart Pet Feeder with Health Monitoring - Mikhail & Hung Dung (Alvin)

H02. Trash Trekker - Anmol & Yatin

H03. Intelli-Desk: Workspace Buddy - Aanshi & Jasveer
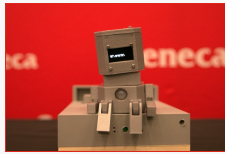

H04. Acceleron: Puppetry in Motion with IoT - Utsav

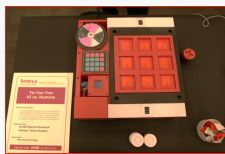## H05. IQ-Leaf: Smart Home Irrigation System - Lior & Joe (*absent*)

H06. Paranormal Pulse Ghost-Hunting Kit - Dairyan

H07. Time Rouse Pro Max: A Smart Alarm - Nhan & Jongho

H08. Tic-Tac-Toe: AI vs. Humans - Ammar & Omid
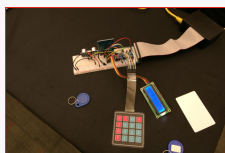

H09. Smart Luggage Helper - Ronmarson & Anh Quan

H10. Kitchen Productivity Gadget - Sador & Ismail (*absent*)

H11. Smart Health Monitor for Eldercare - Inderjot & Simon

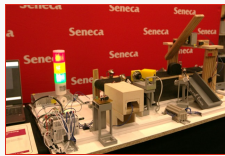### T01. Two-factor Authentication System - Junjie & Sicheng

T02. Safe Drive Guardian System - Adarsh & Cristo (*absent*)

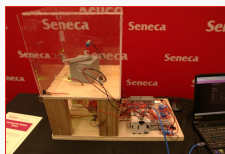### T03. Warehouse Inventory Management System - Samarth & Vraj
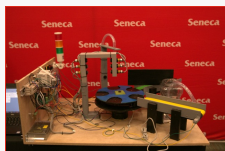
TPJ653: EMA Program

M01. Industrial Sorting Sensor - Rachel & Shrey
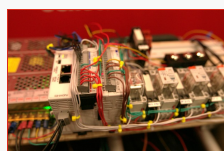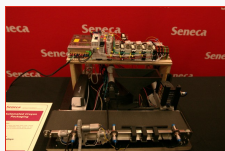

M02. Automated Safety Fence - Anjalin & Feni

M03. Automated Liquid Intelligent Containing Environment - Luis & Abishanth

M04. Automated Crayon Packaging - Trent & Wilfred

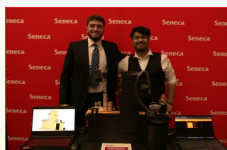### M05. Automated Colour Mixer - Carter & Mohammad

M06. Eco-Vent Window   - Seoyeong & Chibuekem

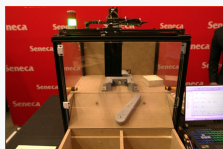## M07. Jar Capping and Sorting Station - Videsh & Sahil

M08. Automated Water Bottle Filling and Capping Station - Tarek & Mohd

M09. Scara Robot 4DOF - Om & Harsh

M10. PrecisionCraftDrill - Marco & Daniel

M11. Manufacturing Parts Vending Machine - Matt & Andres

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