

# Photos - Winter 2024

Version 5

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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.

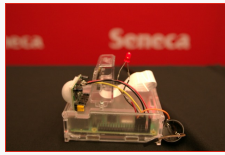


## TPJ452: EEN Program

**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)

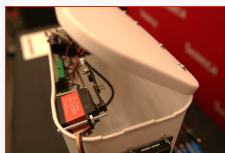
## R04. Intelligent Parking Information System with ESP32 - Kent & Patrick



## 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)



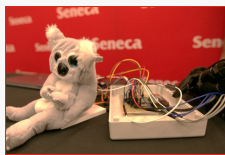
H02. Trash Trekker - Anmol & Yatin



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)

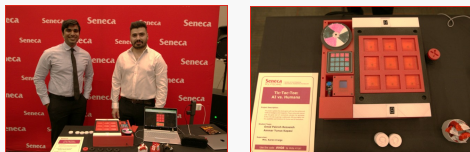
H06. Paranormal Pulse Ghost-Hunting Kit - Dairyan



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



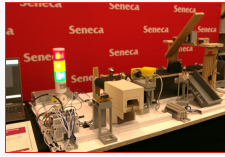
T02. Safe Drive Guardian System - Adarsh & Cristo (absent)

T03. Warehouse Inventory Management System - Samarth & Vraj

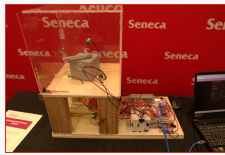


## TPJ653: EMA Program

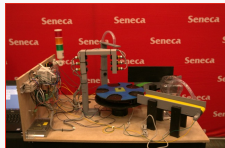
### M01. Industrial Sorting Sensor - Rachel & Shrey



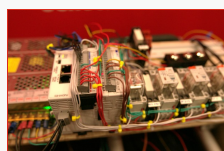
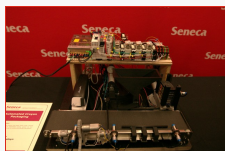
### M02. Automated Safety Fence - Anjalin & Feni



### M03. Automated Liquid Intelligent Containing Environment - Luis & Abishanth



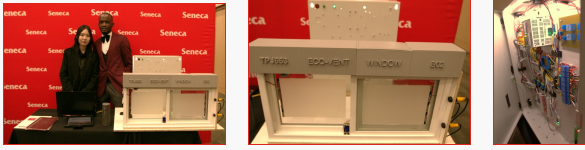
### M04. Automated Crayon Packaging - Trent & Wilfred



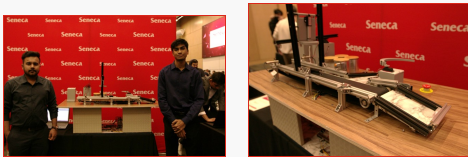
### M05. Automated Colour Mixer - Carter & Mohammad



M06. Eco-Vent Window - Seoyeong & Chibuekem



M07. Jar Capping and Sorting Station - Videsh & Sahil



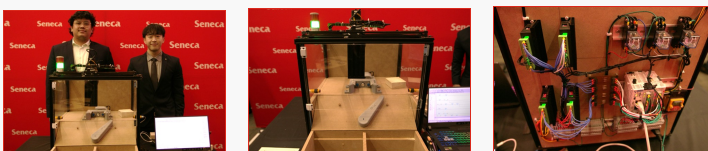
M08. Automated Water Bottle Filling and Capping Station - Tarek & Mohd



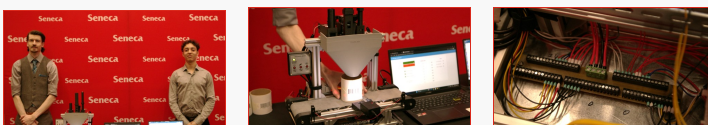
M09. Scara Robot 4DOF - Om & Harsh

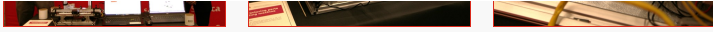


M10. PrecisionCraftDrill - Marco & Daniel



M11. Manufacturing Parts Vending Machine - Matt & Andres





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