

# SEMET Technical Project Showcase - Summer 2024

Version 8

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The following electronics, computer engineering, and electromechanical automation projects are anticipated to be shown at the SEMET Technical Project Showcase on Thursday, August 15, 2024.

- See photos from the event (TBA).

## TPJ452: EEN Program

- See photos from the EEN groups (TBA).

W01. [Laser Gun Game](#) - Daniel & Jinmo

W02. [Pigeon Expelling System](#) - Kin Hang & Wing Chiu

W03. [Sobriety and Meds Management System](#) - Truong & Tobeckukwu

W04. [Speed Detection System](#) - Komal & Anmol

W05. [Digitally Controlled Analog Guitar Pedal](#) - David & Anmol

## TPJ655: Joint EET & ECT Programs

- See photos from the EET & ECT groups (TBA).

H01. [Automated Wire Stripper](#) - Gunjan & Xiangfeng

H02. [Smart Parking System](#) - Joey & Shurov

H03. [Alokito Teknologji: A Machine, Friend, Assistant](#) - Anxhela & Upayan

H04. SmartSpot: A Smart Parking System - Tim & Hamer

H05. Smart Drink Dispenser - Jeehan & Tanjim

H06. Smart RC Car - Dawei

H07. ParkSmart: Advanced and Secure Parking Solutions - Jaykitsinh & Bishal

H08. IoT Pet Feeder and Health Monitoring System - Mrinalini & Vibhuti

H09. Parking Reserving System - Tony & Krusha

H10. Fitness App - Brandon & Daniel

H11. PharmaPal: Smart IoT Pill Dispenser - Jonah & Fatih

H12. Smart Bartender - Hemin & Karma

#### **TPJ653: EMA Program**

- See photos from the EMA groups (TBA).

P01. Automated Liquid Mixing and Capping Machine - Sadip & Damanpreet

P02. AutoSort: Automated Material Sorting System - Ayankhan & Rushi

P03. Metal and Non-Metal Ball Dispenser - Hamza & Karandeep

P04. Automated Drug Dispensing System - Mohammad & Prince

P05. Autonomous Weight Sorting System - Kirtan & Jugal M

P06. V-Fill: Variable Water Level Filler - Maharshi & Vraj

P08. Automatic Juice Pallet Wrapping System - Jugal R & Dhruv

P09. Automated Depositing System - Mike & Jonathan

P10. ThermoSense - Marvelous & Armand

P11. IoT Weighing Scale and Transporter - Sean

## P12. Automated Plate Stamping Machine - Andre & Mujtaba

### What is TPJ?

"TPJ" is the Thesis Project (or capstone project) course in each of the final semesters of our EEN, EET, ECT, and EMA programs. Each student project team above spent 12 weeks researching, designing, and constructing a working capstone project, with guidance from their respective TPJ professors:

Iakov Romanovski (452, 655), Jason Wang (655), Rakesh Kantaria (655), and Fabio Costa (653).

tags : 2244, summer, summer2024