

Department of Electrical and Electronics Engineering



### Welcome to the Era of Energy Disruption

# Section A

- 🖾 10 April 2025
- O 02:00 PM 03:00 PM
- 8 Room No: B-203
- 85 VISem

Speaker: Mr. Gerard Reid

### Section B

- 10 April 2025
- ③ 11:00 AM 12:00 PM
- **2** Room No: B-204
- 88 VISem
  - Speaker: Mr. Gerard Reid

Faculty Coordinator Ms. Kavitha C H

Senior Assistant Professor - EEE



Convenor Dr. Sakthivel Aruchamy HoD - EEE



# "Unleashing the Power of GPT AI in Autonomous Vehicles" - Paul Perrone

Date: 12 April 2025 Venue: B204 Timings: 04:00AM – 05:00PM

Faculty Coordinator Prof. Kavitha C.H







- Paul Perrone

Paul Perrone is a pioneer in the field of robotics and autonomous systems, best known as the founder and CEO of Perrone Robotics. With over two decades of experience in developing advanced automation solutions, Perrone has been at the forefront of integrating artificial intelligence into real-world mobility. His work bridges cutting-edge AI technologies, like GPT (Generative Pre-trained Transformers), with the complex demands of autonomous vehicle navigation. Under his leadership, Perrone Robotics has delivered innovative autonomy platforms for a variety of industries, from logistics to transit. Perrone is widely respected for his deep technical expertise and visionary outlook on the future of mobility. In this thought-provoking TEDx talk, he explores how GPT AI can revolutionize autonomous driving by enhancing perception, decision-making, and adaptability. This talk was part of a TEDx event organized independently in the spirit of TED's mission of "ideas worth spreading."

#### **Summary**

"Unleashing the Power of GPT AI in Autonomous Vehicles" is a visionary presentation that explores how the integration of generative AI, specifically GPT (Generative Pre-trained Transformers), is set to redefine the future of autonomous driving. Paul Perrone, a robotics pioneer and founder of Perrone Robotics, discusses how natural language processing and reasoning capabilities of GPT can enhance the way autonomous vehicles can perceive and interact with the world around them.

The talk outlines key breakthroughs in applying GPT to vehicle logic, enabling cars not merely to recognize and react to their environments but also to reason through complex scenarios, such as identifying rare edge cases or navigating uncertain situations. Perrone highlights the potential for GPT to accelerate the development of self-driving systems by testing and simulating a wide range of driving conditions and maneuvers, vastly expanding the vehicle's operational design domain.

He also emphasizes the importance of verification, validation, and safety in deploying AI-driven decision-making on public roads. Perrone envisions a future where the combination of traditional autonomous tech and generative AI results in more robust, adaptable, and intelligent vehicles capable of responding to unpredictable human behavior and environmental complexities.





	Department	of Electric	al & Electr	onics Engineering	
Sem/Sec	Room Number Faculty Coordinat	Date	Time	Topic	Link
VIII/A&B	B-205 Prof.Kavitha .CH	12.4.2024	4.00pm- 5.00pm	Unleashing the Power of GPT AI in Autonomous Vehicles   Paul Perrone   TEDxWarrenton	https://www.youtabe. om/watch?v=YQ4Qt EM8A1
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# Department of Electrical & Electronics Engineering TEDx Talk -Report 2024-25

Sem/Sec	Room Number Faculty Coordinat or	Date	Time	Topic	Link	
VIII/A&B	B-205 Prof.Kavitha .CH	12.4.2024	4.00pm- 5.00pm	Unleashing the Power of GPT AI in Autonomous Vehicles   Paul Perrone   TEDxWarrenton	https://www.youtube.c om/watch?v=YQ4QtI EM8AI	

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TEDx Talk Report

In his TEDX voortenton talk, Paul Provious discusses has integrating UIPT AT into autonomics vehicles can make the smatter, more adaptive, and copasses of understanding complex human instructions. By acting like an intelligent alivent assume, GIPT helps vehicle subspond naturally to reas- world situations is interest to humans, clean the gas because expectation is awourd custonomers them.



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# Department of Electrical & Electronics Engineering

## ATTENDANCE SHEET

Event: Unleasting the Power of GPTAT in Andonomous Vehicles

Date: 12/04/2025

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9	Manasa VT	Student	EEE	MD.
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12	Tannu Priya	Student	EPE	Tager
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