Self-Driving Using AI-CNN: AI-4-IoT MTP IIT Patna Prototype

An MTP thesis at IIT Patna focuses on the development of self-driving vehicles by utilising the capabilities of AI, deep learning (DL), and computer vision (CV) techniques. The rapid advancement of self-driving technology, driven by artificial intelligence (AI), has attracted significant attention. The self-driving car prototype uses AI-based algorithms to provide vehicles the ability to observe, comprehend, and react to their surroundings in real time. A Raspberry Pi camera mounted on a remote control car with an Arduino Uno, a motor driver, a DC motor, and a servo motor for steering was used to create the dataset for this MTP. The self-driving automobile model was trained using a Convolutional Neural Network (CNN) architecture based on artificial intelligence.

L to R: Dr Asif, Dr Abhishek, Vikrant, Prof T.N.Singh(Director), Sujit, Prof Rajiv Misra(Supervisor)

Self-Driving Car using AI-CNN Prototype

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