**Paper Link :** [Automatic Vehicle License Plate Recognition System for Smart Transportation | Request PDF (researchgate.net)](https://www.researchgate.net/publication/330253578_Automatic_Vehicle_License_Plate_Recognition_System_for_Smart_Transportation)

**Paper Title : Automatic Vehicle License Plate Recognition System for Smart Transportation** .

**1. Summary**

The paper introduces an innovative Automatic License Plate Recognition (ALPR) system tailored specifically for the diverse range of vehicle license plates in Myanmar. It emphasizes the bustling capital, Yangon, as a pivotal point for implementing advanced technologies. The paper meticulously details algorithms and tools uniquely designed to handle the nuances of English character-based license plates prevalent in Myanmar. It addresses a significant gap within ASEAN's smart city initiatives, aiming to revolutionize smart urban infrastructure. The system's performance metrics showcase an exceptional 90% accuracy rate in character recognition and an impeccable 100% accuracy in detecting license plates within video sequences.

**1.1 Motivation**

The research is motivated by ASEAN's collective endeavor towards smart and sustainable urban development. The study identifies a crucial gap— the absence of comprehensive ALPR systems within Myanmar. The primary aim is to develop a pioneering ALPR system tailored precisely for Myanmar's license plates, essential for smarter transportation systems in the region.

**1.2 Contribution**

Detailing the OpenALPR implementation and standalone system architecture, the paper illustrates specific accuracy metrics and real-world applicability, setting a new benchmark in ALPR technology within ASEAN's context.

**1.3 Methodology**

Elaborating on the system's architecture, testing processes, performance metrics, and real-world deployment in Yangon, the paper offers an in-depth understanding of the system's development and its capabilities within Myanmar's urban landscape.

**1.4 Conclusion**

Summarizing the system's effectiveness, cost-efficiency, and unique attributes, the conclusion sets the stage for potential advancements and applications in ALPR technology tailored for Myanmar's context.

**2 Limitations**

2.1 First Limitation

Despite its high accuracy, potential challenges might arise concerning non-standard license plate formats or environmental factors affecting image capture quality.

**2.2 Second Limitation**

Real-time applicability could be constrained by hardware limitations or high processing demands, especially in densely populated urban areas.

**3 Synthesis**

The paper's insights lay the groundwork for smarter transportation systems within ASEAN's urban landscapes. Potential applications include enhanced regional recognition on license plates, live video integration for real-time monitoring, and continual advancements to improve accuracy, all vital for the future evolution of ALPR technology tailored to Myanmar's unique context.