# VEHICLE PARKING VIOLATION DETECTION SYSTEM IN SPECIAL PARKING AREAS FOR LARGE VEHICLES USING YOLOv10 & FASTER R-CNN (Case Study: Undiksha Central Campus)


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UNIVERSITAS PENDIDIKAN GANESHA
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## UNDERGRADUATE THESIS

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## DECLARATION

I hereby declare that the written work titled " **Vehicle Parking Violation Detection System In Special Parking Areas For Large Vehicles Using YOLOv10 & Faster R-CNN (Case Study: Undiksha Central Campus)**" and its entirety are genuinely my original work, created without engaging in plagiarism or improper citation practices that violate the ethical standards of the scientific community. By making this declaration, I accept full responsibility for any sanctions that may be imposed if any violations of scientific ethics or challenges to the authenticity of my work are later discovered.

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## MOTTO

"With patience, gratitude, and piety."

# FOREWORD

Praise and gratitude are sincerely offered to God Almighty, for it is by His grace and blessings that the researcher was able to complete this thesis entitled "**Vehicle Parking Violation Detection System In Special Parking Areas For Large Vehicles Using YOLOv10 & Faster R-CNN (Case Study: Undiksha Central Campus)**", as one of the requirements for obtaining a Bachelor's degree in Computer Science at Universitas Pendidikan Ganesha.

Throughout the process of completing this thesis, the researcher received valuable support in the form of moral encouragement, material assistance, and motivation from various parties. Therefore, with deep appreciation, the researcher would like to express heartfelt thanks to::

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The researcher realizes that this thesis still has shortcomings and is far from perfect, due to the limitations in knowledge and experience. Therefore, the researcher is open to and sincerely appreciates any constructive suggestions and criticism from all parties.

It is the researcher's hope that this thesis may provide meaningful benefits to relevant stakeholders, especially in the field of education..

Singaraja, July 21st, 2025

Author

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