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RV Educational Institutions ®
RV College of Engineering ®

Autonomous Institution Affiliated to Visvesvaraya Technological University, Belagavi

Approved by AICTE, New Delhi, Accredited By NAAC, Bengaluru And NBA, New Delhi

Industry Certified Internship

Centre for Autonomous Vehicles

Internship Modules for Engineering students

M1. Sensor Fusion of LIDAR and Camera for object detection and tracking
M2. Learning based Image deblurring/super resolution algorithm on real time embedded hardware
M3. Impact simulation of battery pack as per AIS 048 safety standards
M4. Thermal simulation of battery and motor
M5. Radar data analysis using ML
M6. Lidar Data analysis using ML
M7. Image data analysis using ML
M8. Iris detection using ML
M9. Collision avoidance system
M10. DL models for automatic camera image annotation
M11. Determination of Braking load for a various two and four wheeler.
M12. Design of Electronic part of brake by wire system
M13. Design of Test Bed for Brake wire braking system
M14. Traffic Sign Recognition System
M15. Distronic System for Driver Assistance
M16. Tyre Health Monitoring System
M17. Blind Spot Assist System
M18. Adaptive Intelligent Lightning System
M19. Powertrain Simulation in MATLAB
M20. Simulation of Brushless DC Motor Characteristics in MATLAB
M21. Electronic Steering System
M22. Implementation of a method/technique to Summarize Video
M23. Moving Object Detection and tracking in Videos
M24. Automatic Image extraction from Video
M25. Comparative Study of Simulators for Autonomous Vehicles
M26. Study of different thermal management systems for effective battery cooling
M27. Vehicle detection using different CNN models
M28. Implementation of various object detection techniques
M29. Performance analysis of different Activation function using FRCNN on DOTA dataset
M30. Comparison of different segmentation algorithm for vehicle detection
M31. Comparison of preprocessing techniques for vehicle detection
M32. Performance analysis of object detection techniques namely CNN, RCNN, FRCNN, SSD, YOLO
M33. Design of Safety Critical Application for autonomous car
M34. Application of GD&T for automotive design

For Further Information Contact:

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