Individual Project Contribution Report

IOT based smart drowsiness detection and notification system

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Project Group No.-Ecsc-44

Abstract: This project presents an design to improve driver safety through real-time monitoring. Leveraging machine learning algorithms, it accurately detects drowsiness indicators like eye closure, providing immediate alerts to prevent fatigue-related accidents. With over 90% detection accuracy and a user-friendly interface, this technology significantly enhances road safety and serves as a vital tool for future transportation systems.

Individual contribution and findings: Led project coordination, ensuring effective communication and progress tracking among team members. Developed the software for drowsiness detection, focusing on integrating machine learning algorithms to enhance accuracy. Conducted code reviews and provided technical support to the team. Documented the software architecture and created user stories to guide development.

Individual contribution to project report preparation: Oversaw the overall structure and organization of the project report, ensuring consistency in format and content across sections. Coordinated contributions from all team members, managing deadlines and revisions. Wrote the executive summary, introduction, and conclusion, highlighting key project goals, outcomes, and recommendations. Proofread and edited the entire report to ensure clarity and quality.

Individual contribution for project presentation and demonstration: Coordinated the overall flow of the presentation, ensuring smooth transitions between sections and team members. Delivered the project introduction, objectives, and conclusion, emphasizing the system's impact on driver safety and future implications. Managed the demonstration schedule and oversaw team rehearsals to ensure a polished and professional delivery. Addressed audience questions and facilitated discussions on the project's significance.

Full Signature of Supervisor/s: Full signature of the student: