Masters Desertion Showcase
Year 2023

	Department: Computer Science & Information Technology Programme: Masters of Science Specialization: Data Sciences
1	**Title of the Thesis** Driving Behaviour Analysis & Comparative Analysis of Vehicle Health
2	**Abstract** The thesis focuses on analyzing driving behavior and conducting a comparative analysis of vehicle health. It explores the relationship between driving style and vehicle condition to understand their impact on fuel consumption and emissions. The study utilizes data collected through the On-Board Diagnostics II (OBD-II) protocol to analyze driving patterns and identify factors that contribute to efficient driving. The research also investigates the use of machine learning techniques and mathematical equations to predict and optimize fuel consumption based on driving behavior.
3	**Impact on Sustainability of Urban Regions or SDG-11 "Sustainable Cities and Communities"** The research contributes to the sustainability of urban regions and aligns with SDG-11, "Sustainable Cities and Communities." By promoting eco-driving techniques and optimizing fuel consumption, the thesis aims to reduce greenhouse gas emissions and improve air quality in urban areas. The findings can support the development of sustainable transportation strategies, leading to reduced traffic congestion, lower fuel consumption, and a healthier environment for communities.
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