UNIVERSITI TEKNOLOGI MARA

# DESIGNING AND DEVELOPING USER CATALOGUING SYSTEM FOR AMDAC USING HYBRID FOCUS+CONTEXT AND OVERVIEW+DETAIL APPROACH

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# ABSTRACT

This IT Project is about Designing and Developing User Cataloguing System for AMDAC using Hybrid Focus+Context and Overview+Details. This project is designing and developing for company AMDAC Sdn Bhd. The core business of this company is designed and produced vehicles that are specifically tailored to meet the wants and needs of customers especially for army military. The idea of User Cataloguing System (UCS) comes from Mr Syamsul Mohd Adzmir, IT Executive in AMDAC. Several interview sessions has been conducted to collect data of AMDAC. There are three problems of this project. The first problem is AMDAC manually kept the records of vehicle information on paper-based and sometimes the staff misplaces the records. The second problem is too many records of vehicle information and a lot of images of vehicle parts. The third problem is usually images on user cataloguing system are provided in the form of 2D or not using visualization technique. The methodology has been applied in this project is Hybrid Focus+Context and Overview+Details approaches. Both approaches are Information Visualization Concept. There are several techniques was applied to complete this project such as Fisheye View technique and Lense technique. In order to complete this project, there are four phases need to follow as a guideline. The phases are Problem Identification and Planning, Data Collective and Analysis, Design and Development and Evaluation and Documentation. The result indicates that the Hybrid Focus+Context and Overview+Details is suitable to use in demonstrating the UCS. In conclusion, user satisfied with the concept and design in demonstrating of UCS. Further work is needed to complete the fully process flow of system.

*Keywords:* User Cataloguing System (UCS), Focus+Context Approach, Overview+detail Approach

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