**Abhishek Pandit**

**EXPLORING LOW-CODE AND NO-CODE DEVELOPMENT WITH POEWRAPPS**

**Thesis**

**CENTRIA UNIVERSITY OF APPLIED SCIENCES**

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**ABSTRACT**

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| Traditional software development often demands extensive coding expertise, limiting its accessibility to a select group of individuals. Low-code and no-code development platforms (LCDPs) have emerged as game-changers, empowering anyone to create applications without requiring in-depth coding knowledge. PowerApps, a leading LCDP from Microsoft, stands out for its user-friendly drag-and-drop interface, pre-built connectors and templates, and seamless integration with various data sources. This thesis digs deep into the transformative power of PowerApps, exploring its versatility and applicability across a wide range of business scenarios. In conclusion, we summarize the key takeaways from our exploration of PowerApps, emphasizing its ability to rapidly develop applications that enhance productivity, streamline operations, and drive innovation. LCDPs like PowerApps Empower businesses of all sizes to embrace digital transformation without being constrained by coding limitations. | | |
|  | | |
| Key words  Low-code and No-code development, Microsoft, PowerApps, Business Apps, Interface | | |

**CONCEPT DEFINITIONS**

**LCDPs**

Low-code and No-code Development Platforms

**ABSTRACT**

**CONCEPT DEFINITIONS**

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# INTRODUCTION

Businesses are constantly looking for innovations and innovative solutions to grow their businesses effectively. Classical software development often linked with complicated coding skills and heavily dependent on specialized expertise, which has been proven to be a major obstacle for many businesses. To minimize this issue, low-code and no-code development platforms (LCPDs) have been an effective solution, enabling developers or anyone with little to zero coding knowledge to design complex software in lesser time.

Low-code and no-code applications give people and businesses the ability to develop services and solutions for their business without the need for programming skills. The simplicity of use of these application services is a top priority. To narrow down the services the application can offer, the initial step in the application creation process is developing the service using questionnaires. The next step in the process is creating using a drag and drop choices for pages, data displays, and text buttons. The final steps in the construction process include employee testing, connecting the application to a data source, and determining if the program can do the desired task. LCPDs are not limited to those without any prior coding knowledge. It all boils down to the purpose and the application of the intended application. Professional software developers might reduce their workload and produce prototypes more quickly with the help of such LCPDs.

One of the best LCPDs is PowerApps because it is a collection of applications, services, and connectors, as well as data platform, that enables quick development of custom designs as according to the company’s needs and requirements. Also, with PowerApps, data can be stored either in the provided data platforms by Microsoft itself or in any other online or local data sources. This thesis unboxes the power of PowerApps, showing its flexibility and applicability over a broad range of business scenarios. In order to demonstrate the

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# Low-code and no-code development

## Evolution of Development Approaches

## Conceptuel Framework

# Powerapps fundamentals

## Introduction to PowerApps

## Key Features

## PowerApps Components

# Building a crud application with powerapps

## Overview of CRUD Operations

## PowerApps Design For CRUD

## Hands-on Demonstration

# Conclusion

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