# **Mobile Application Development Report**

**on**

**Habit Tracker**

**Submitted By**

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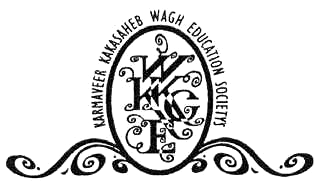
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**Abstract**

The Habit Tracker project is a mobile application designed to help users develop and maintain daily habits through a structured and user-friendly platform. By leveraging technologies like React Native and Firebase, the app offers features such as customizable habit creation, daily task management, and statistical insights to enhance user engagement and promote consistent habit formation.This application aims to positively impact users by fostering self-discipline and personal growth.Its intuitive design simplifies habit tracking and encourages commitment to personal goals. This report covers the project's objectives, problem statement, background, architecture, user manual, and conclusions, providing a comprehensive overview of the Habit Tracker's scope and impact.

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1. **Introduction**

**Overview of the Project**

The Habit Tracker is a mobile application designed to help users track and maintain their daily habits. It provides a platform for users to set goals, monitor progress, and receive feedback on their habit-forming journey. The project was initiated to address the common challenge of habit formation and maintenance, providing users with a tool to visualize their progress and stay motivated.

**Brief Summary of the Project Topic, Goals, and Why it was Chosen**

The project focuses on habit tracking, a crucial aspect of personal development. The goal is to create an intuitive application that encourages users to build positive habits through consistent tracking and feedback. This topic was chosen due to the increasing interest in self-improvement and the need for effective tools to support this journey. The Habit Tracker aims to simplify the process of habit formation by offering a user-friendly interface and comprehensive tracking features.

1. **Problem Statement**

**Definition of the Problem**

The primary problem addressed by the Habit Tracker is the difficulty individuals face in forming and maintaining new habits. Many people struggle to keep track of their progress and lose motivation over time. The lack of a structured approach to habit tracking often leads to inconsistent efforts and eventual abandonment of goals.

**Objectives**

Develop a user-friendly application that simplifies habit tracking.

Provide features that motivate users to maintain their habits.

Offer insights and statistics to help users understand their progress.

Enable users to customize their habit tracking experience to suit their preferences.

**Outcomes**

The project aims to deliver a fully functional habit tracking application with a clean interface, customizable settings, and comprehensive statistics. Users will be able to create habits, track their progress, and gain insights into their performance, ultimately leading to improved habit formation and maintenance

1. **Background**

**Tools & Technologies**

Software: The application is developed using React Native, a popular framework for building cross-platform mobile applications. Firebase is used for backend services, providing real-time data synchronization and user authentication.

Hardware: The Habit Tracker is compatible with both Android and iOS devices, ensuring a wide reach and accessibility for users.

1. **Figma**

The architecture of the Habit Tracker is designed using Figma, focusing on a clean and intuitive user interface. The design includes a bottom navigation bar for easy access to different sections of the app, such as Habits, Daily Tasks, and Statistics. The use of Figma allowed for rapid prototyping and user testing, ensuring a user-centered design approach.

1. **Screenshot of the Project**

**6. User Manual**

Refer to the attached User\_Guide.md for detailed instructions on using the Habit Tracker app, including installation, habit creation, task management, and customization settings. The user manual provides step-by-step guidance to help users navigate the app and make the most of its features.

1. **Conclusion**

**Summary of Findings**

The Habit Tracker successfully addresses the challenge of habit formation by providing a simple yet effective tool for tracking daily habits. Users can easily create habits, track their progress, and gain insights into their performance. The app's intuitive design and comprehensive features have received positive feedback from users, highlighting its effectiveness in supporting habit formation.

**Recap of Key Results and Insights**

High user engagement due to the app's intuitive design and ease of use.

Positive feedback on the app's ability to motivate users and support habit formation.

Valuable insights provided by the statistics feature, helping users understand their habits better and make informed decisions.

**8. Link of the Project (GitHub)**

**9. Appendices**

**Presentation and Course Certificate**