**Project Report on “Scrap Collector Online Portal”**

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**Aptech Computer Education – Aptech-Metro-Star-Gate-Karachi**

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**Scrap Collector Online Portal**

**INTRODUCTION**

"Scrap Collector" is a JAVA-based mobile app for Android, streamlining scrap collection. With an intuitive interface, it simplifies scrap uploading, offering a user-friendly experience

With a focus on user convenience, "Scrap Collector" offers an intuitive and visually appealing interface that ensures a seamless experience for both administrators and users. The application is designed to simplify the uploading of scrap materials, providing a hassle-free and efficient platform for users to contribute to the scrap collection process.

**SYSTEM ANALYSIS**

EXISTING SYSTEM:

System Analysis is a detailed study of the various operations performed by a system and their relationships within and outside of the system. Here the key question is- what all problems exist in the present system? What must be done to solve the problem? Analysis begins when a user or manager begins a study of the program using existing system.

During analysis, data collected on the various files, decision points and transactions handled by the present system. The commonly used tools in the system are Data Flow Diagram, interviews, etc. Training, experience and common sense are required for collection of relevant information needed to develop the system. The success of the system depends largely on how clearly the problem is defined, thoroughly investigated and properly carried out through the choice of solution. A good analysis model should provide not only the mechanisms of problem understanding but also the frame work of the solution. Thus it should be studied thoroughly by collecting data about the system. Then the proposed system should be analyzed thoroughly in accordance with the needs

**PROPOSED SYSTEM**

* The "Scrap Collector" system is an automated solution that simplifies scrap collection. Users can easily access relevant information, locate scrap points on a map, add their items in the app and manage their profiles. The system offers a range of advantages, including
* Fast access to database
* Less error
* More Storage Capacity
* Search facility
* Look and Feel Environment
* User Friendly

**Technical Feasibility:**

We can strongly say that it is technically feasible, since there will not be much difficulty in getting required resources for the development and maintaining the system as well. All the resources needed for the project.

**HARDWARE CONFIGURATION**

* Processor : Core I5 4rd generation
* RAM : 8 GB
* Hard Disk : 500GB
* Screen : 13 Color monitor
* Key Board : 82 Keys
* SOFTWARE CONFIGURATION
* Operating System : Windows NT,
* Windows 8
* Windows 10 pro
* Language : Java, Android Studio
* Database : Firebase

**Validation:**

To decrease the chances of mistakes validations are used in all over the project.

**GUI:**

The Graphical User Interface (GUI) of our Application is very friendlier through the user can easily use this application for attendance management.

**Core Feature:**

We provide a lot’s of feature in our Smart Travel App

1. Multi display interface
2. Firebase
3. Tables
4. Login panel
5. User Update Form
6. Authentications
7. Reliability
8. Descriptive Software
9. Insert, Update and Delete.