

National University of Computer and Emerging Sciences



Lost & Found

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Objective:

To develop a **Lost and Found Portal** which aims to provide a **centralized digital platform** where users can report lost or found items, facilitating **efficient recovery** through a secure **claim system**, **location-based suggestions**, and **community verification**. By integrating features like **image uploads**, **QR codes**, **notifications**, and an **admin panel**, the system will enhance transparency, prevent fraudulent claims, and ensure that misplaced items can be returned to their rightful owners efficiently.

Scope:

The Lost & Found Portal will provide the following functionalities:

1. **Post Lost Items:** Users can submit details of lost objects, including category, location, and an optional image.
2. **Post Found Items:** Users can report found objects with private specifications to verify ownership.
3. **Claim System:** Owners must enter matching private details before claiming an item.
4. **User Authentication:** Allow users to register/login using email or OAuth (Google, Facebook, etc.).
5. **Admin Panel:** A separate panel where admins can review flagged items or resolve disputes.
6. **Image Upload:** Users should be able to upload images of lost/found items.
7. **Search & Filter:** Search lost/found items by category, location, or date.
8. **Item Categories:** Predefined categories (e.g., electronics, books, clothing, accessories). Also allow admins to add new categories.
9. **QR Code System:** Generate a QR code for each item posted, making it easy to share on social media or posters.
10. **Location-Based Suggestions:** Users can enter the location where they lost or found an item, and the system will suggest matches nearby.
11. **Notification System:** Email/SMS notifications when a potential match is found.
12. **Community Verification:** Let other users upvote/downvote a claim if the item is something publicly recognizable.
13. **Flagging System:** Users can report suspicious claims.
14. **Claim Expiry:** If an item is not claimed within a certain timeframe, it could be forwarded to local authorities.
15. **Responsive Design:** Ensure the website works well on desktops, tablets, and mobile devices.